

SOCIO-ECONOMIC STUDY OF THE PROPOSED
SHELL OIL COMPANY PEARL MINE

INTERIM REPORT

VOLUME 3-B

Area Economy and Economic Impact

Submitted To:

THE MONTANA DEPARTMENT
OF
STATE LANDS

November 21, 1977

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STATE OF MONTANA
DEPT. OF STATE LANDS
AND INVESTMENTS

This report is in the preliminary Review Draft stage. As such it represents neither the final judgement nor the official position of the Meadowlark Group or the State of Montana.

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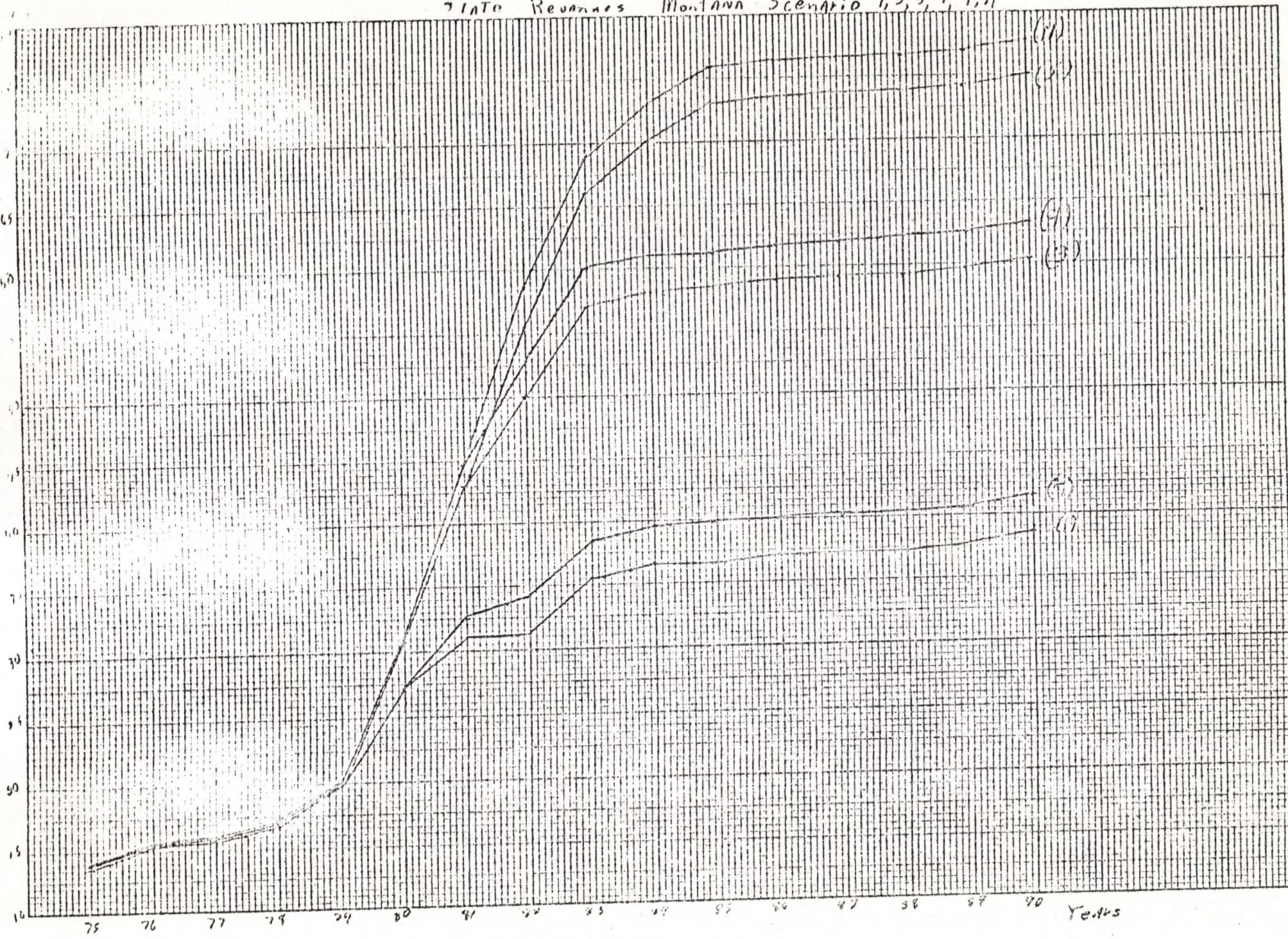
The following is a list of the names of the persons who have been appointed to the various positions in the Department of the Interior, under the authority of the President of the United States.

MontANA Graphs

	State	Header	Scenario		State	Header	Scenario
Graph 1-61	Mont.	St. Rev.	13,5,7,9,11	611	Mont	Miners	13,5,7 9,11,13
62	Mont.	St. Rev.	13,5,7,9,11			Ec. Base	13,5,7 9,11,13
63	Mont.	Sch. Rev.	11			Avg. Exp.	13,5,7 9,11,13
		Sch. Sur.	11			Avg. Wages	SAME
		Co. Rev.	11			Tot. Exp.	SAME
		Co. Sur.	11	612	Mont	Miners	15
		To. Rev.	11			Ec. Base	15
64	Mont.	Sch. Rev.	9			Avg. Exp.	15
		Sch. Sur.	9			Avg. Wages	15
		Co. Rev.	9			Tot. Exp.	15
		Co. Sur.	9	613	Mont	Miners	17
		To. Rev.	9			Ec. Base	17
65	Mont	Sch. Rev.	7			Avg. Exp.	17
		Sch. Sur.	7			Avg. Wages	17
		Co. Rev.	7			Tot. Exp.	17
		Co. Sur.	7	614	Mont	Transp.	1,7,13 3,9,15 5,11,17
		To. Rev.	7				
66	Mont	Sch. Rev.	5				
		Sch. Sur.	5				
		Co. Rev.	5				
		Co. Sur.	5				
		To. Rev.	5				
67	Mont	Sch. Rev.	3				
		Sch. Sur.	3				
		Co. Rev.	3				
		Co. Sur.	3				
		To. Rev.	3				
68	Mont	Sch. Rev.	1				
		Sch. Sur.	1				
		Co. Rev.	1				
		Co. Sur.	1				
		To. Rev.	1				
69	Mont	Sch. Rev.	13,5,7,9,11				
		Co. Rev.	13,5,7,9,11				
		To. Rev.	13,5,7,9,11				
610	Mont	Sch. Rev.	13,5,7 9,11,13 15,17				

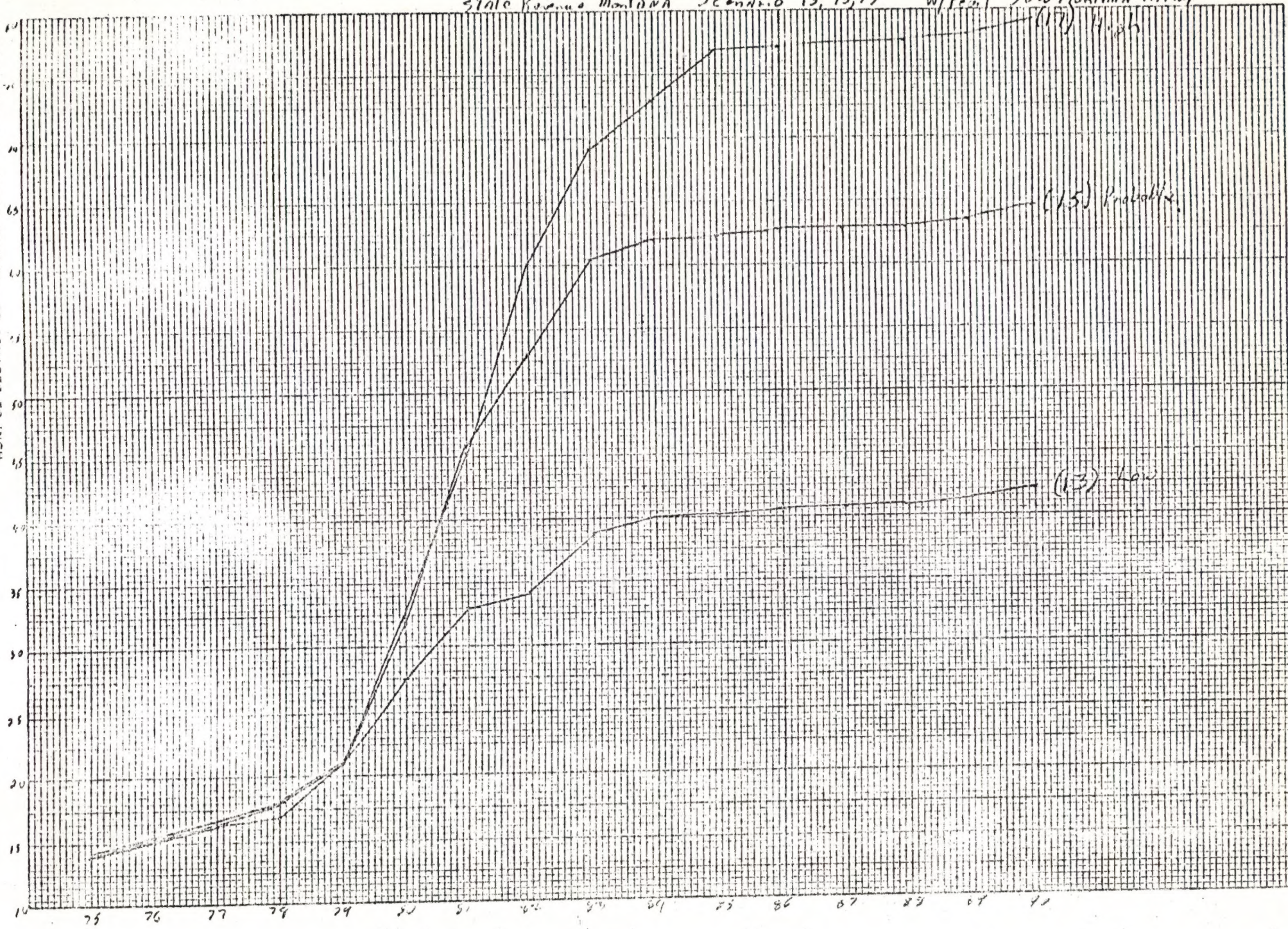
Plate Revenues Montana Scenario 1;3;5;7;9;11

STAGE
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0



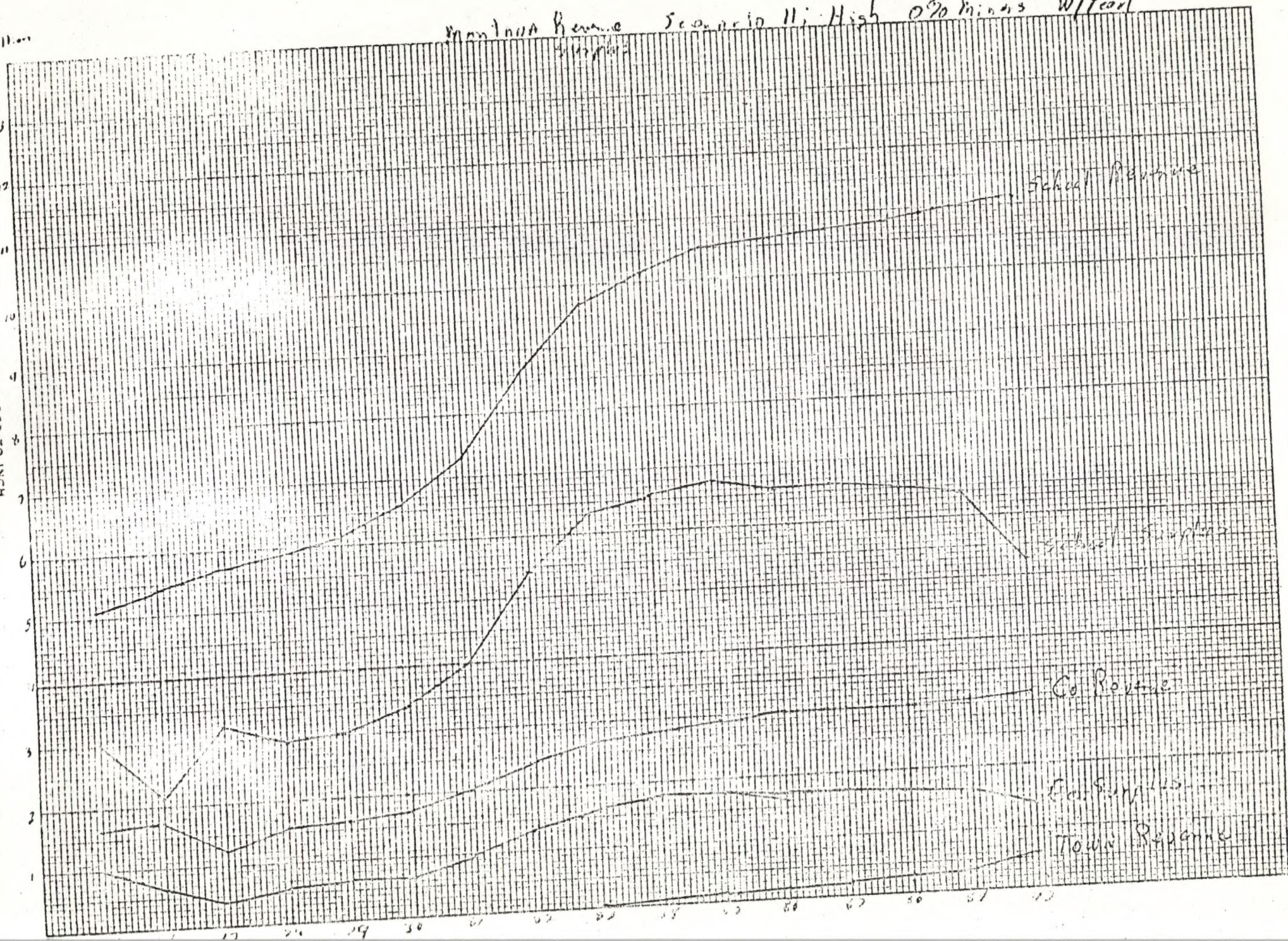
State Revenue Montana Scenario 13, 15, 17 W/P... 50% Montana Miner

STAGE NO 6-3 - CROSS SECTION - 20 SQUARES TO INCH



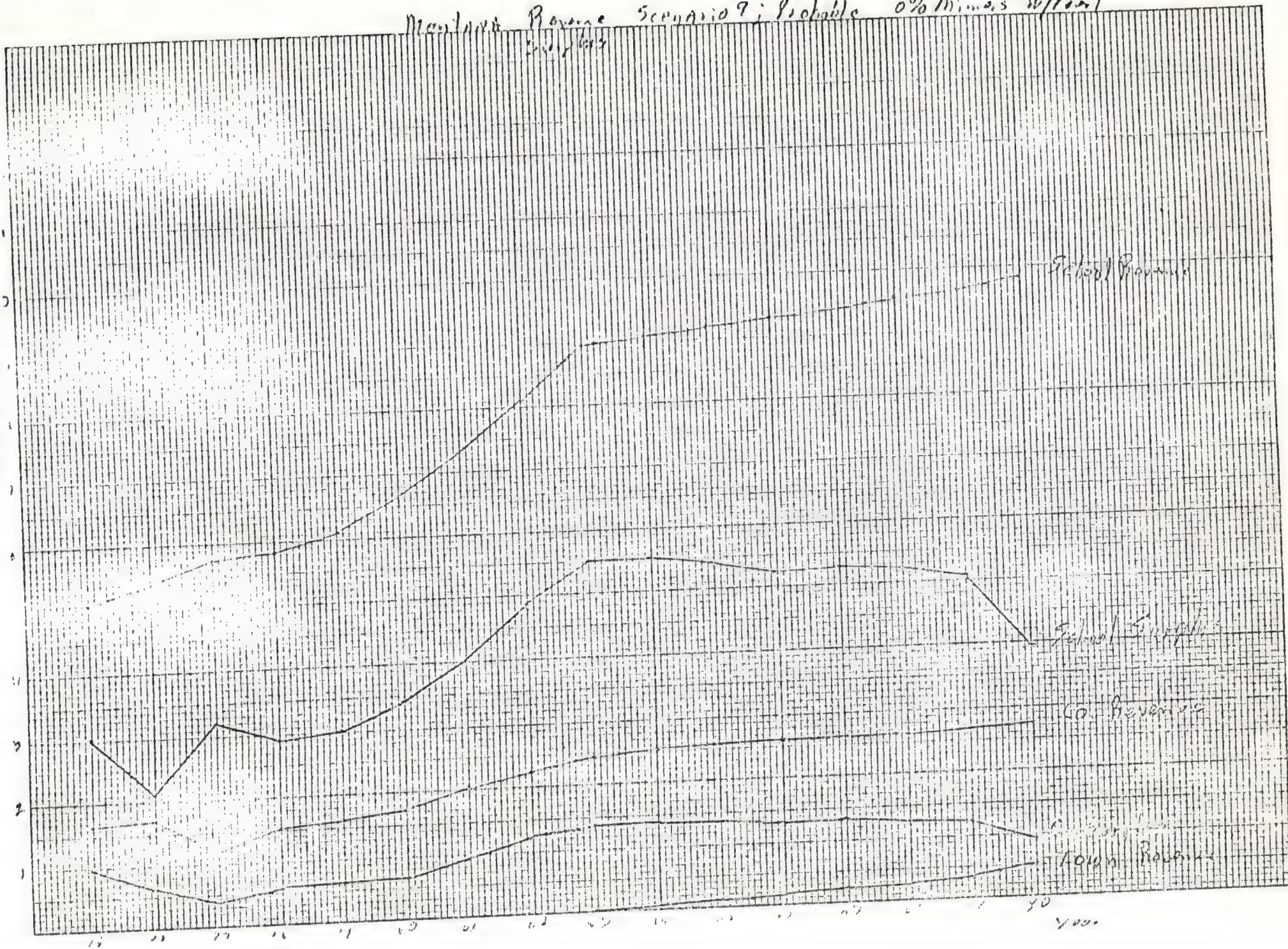
Mountain Revenue Scenario 11: High 0% Minus W/Carl
 Surplus

MODEL NO. 63 - CROSS SECTION - 20 SQUARES TO INCH



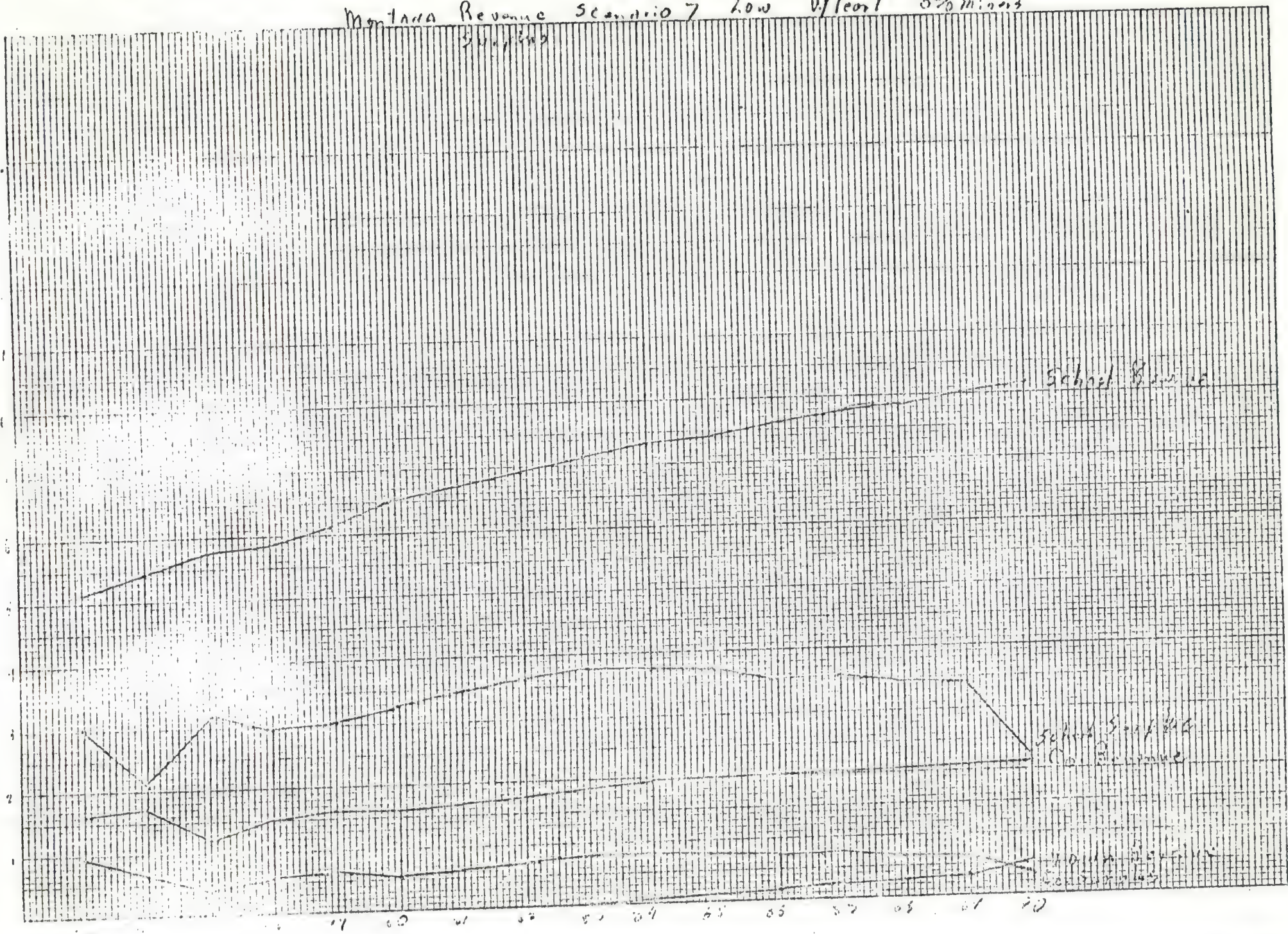
Manitowish River Scenario 7; Probable 0% Minors w/Perd
 1990-1995

CITADEL CROSS SECTION - 20 FEET TO INCH



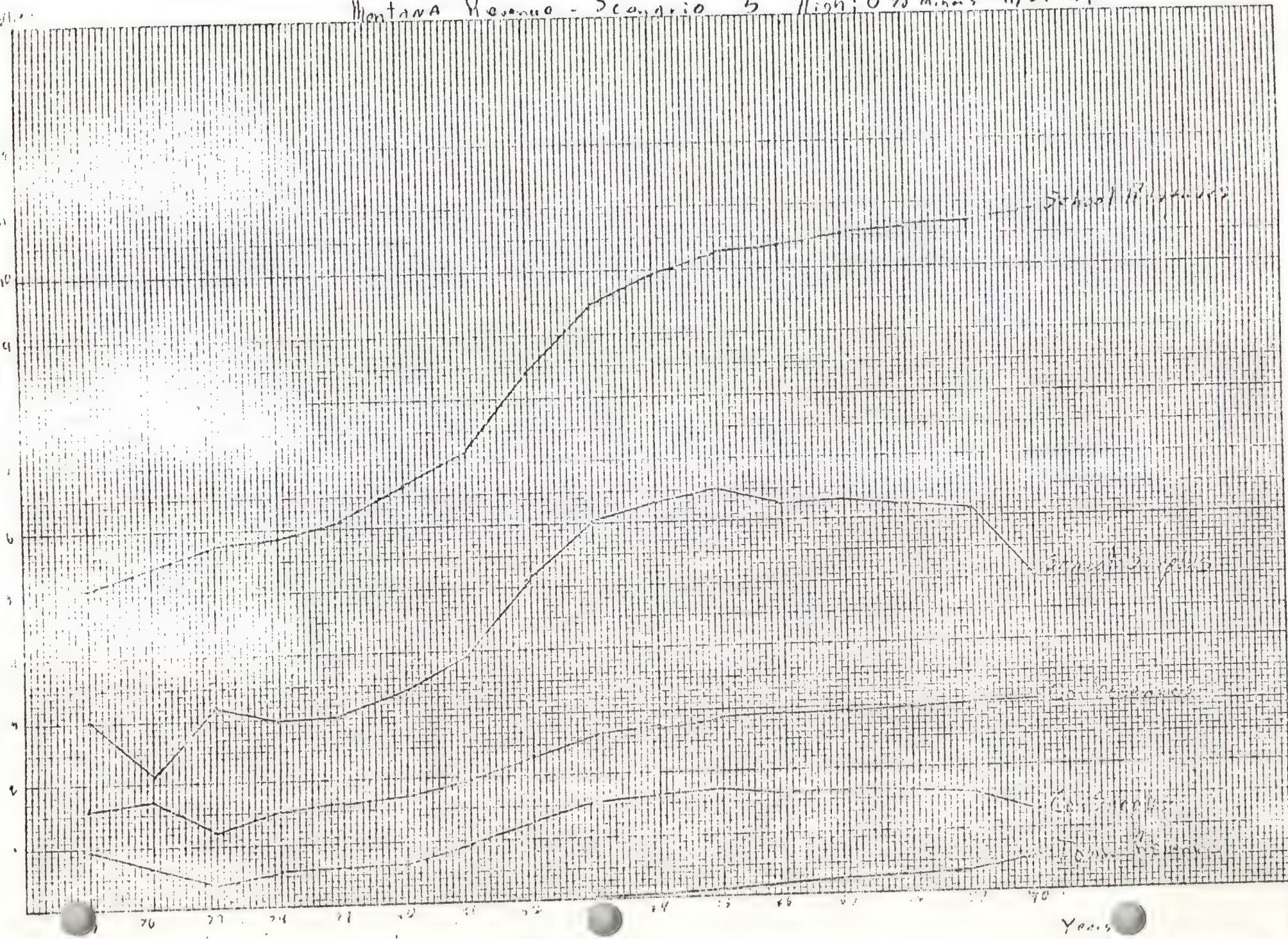
Montana Revenue Scenario 7 Low v/Pearl 0% Minors
Supplying

NO. 6-3 - OR. SECTION - 20 SQUARES TO INCH



Montana Revenue - Scenario 5 High: 0% minus vi/o Perol

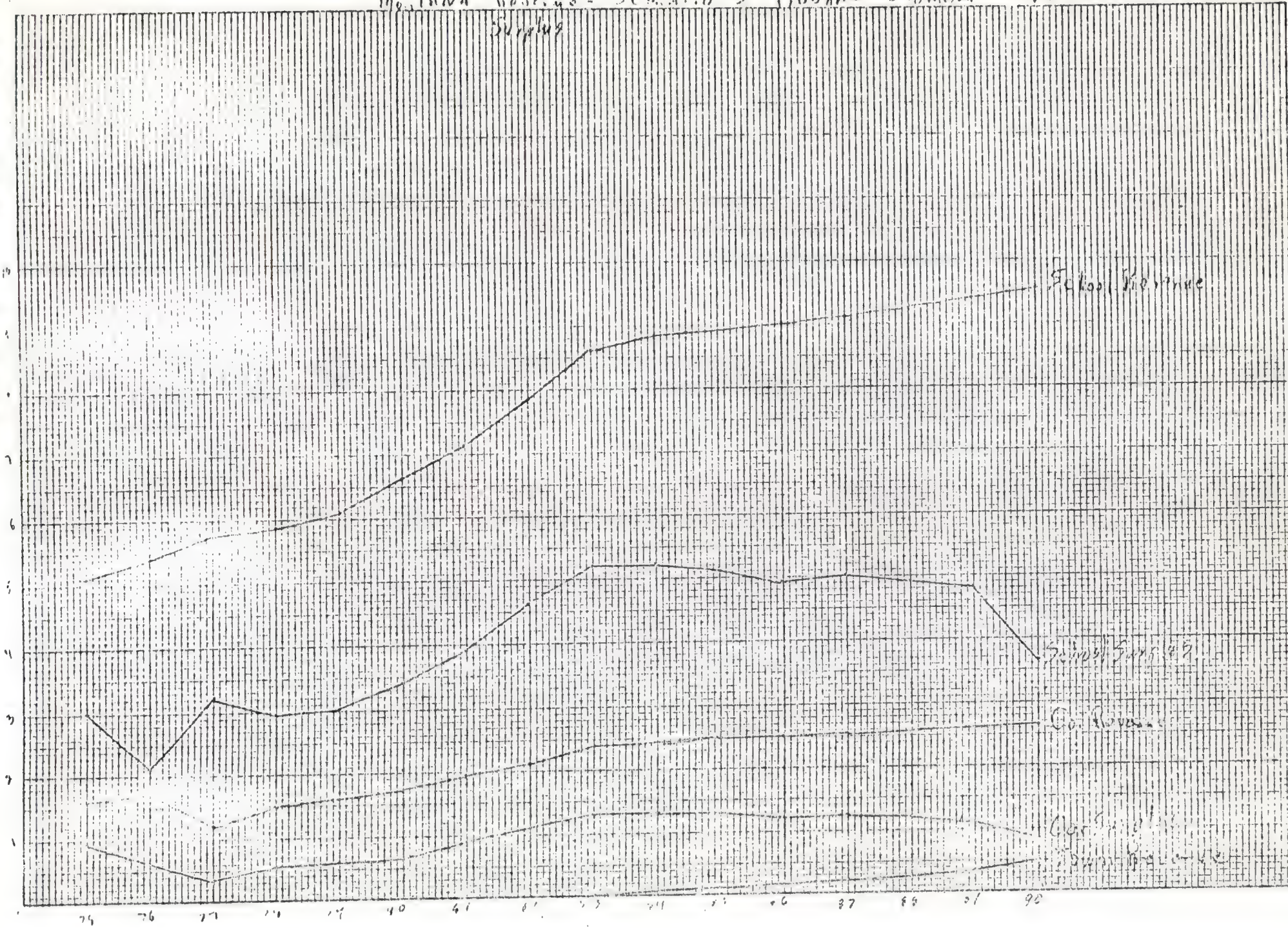
SECTION NO. 64 - CROSS SECTION - 20 SQUARES



Medina Reserve - Scenario 3 Probable 0% min w/o Pear. 1
 Surplus

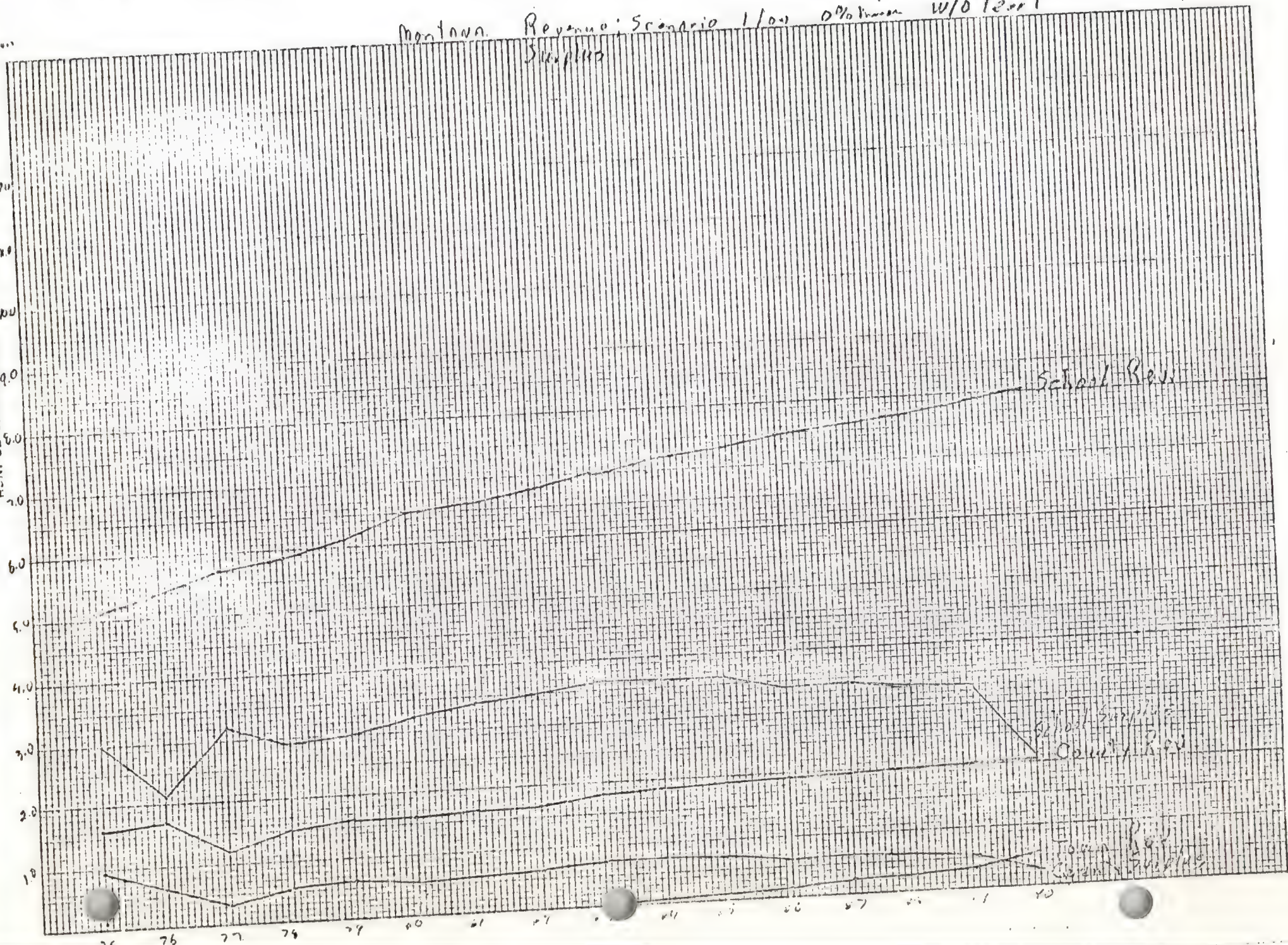
67

STANDARD NO. 1 CROSS SECTION - 20' TO 10' INCH



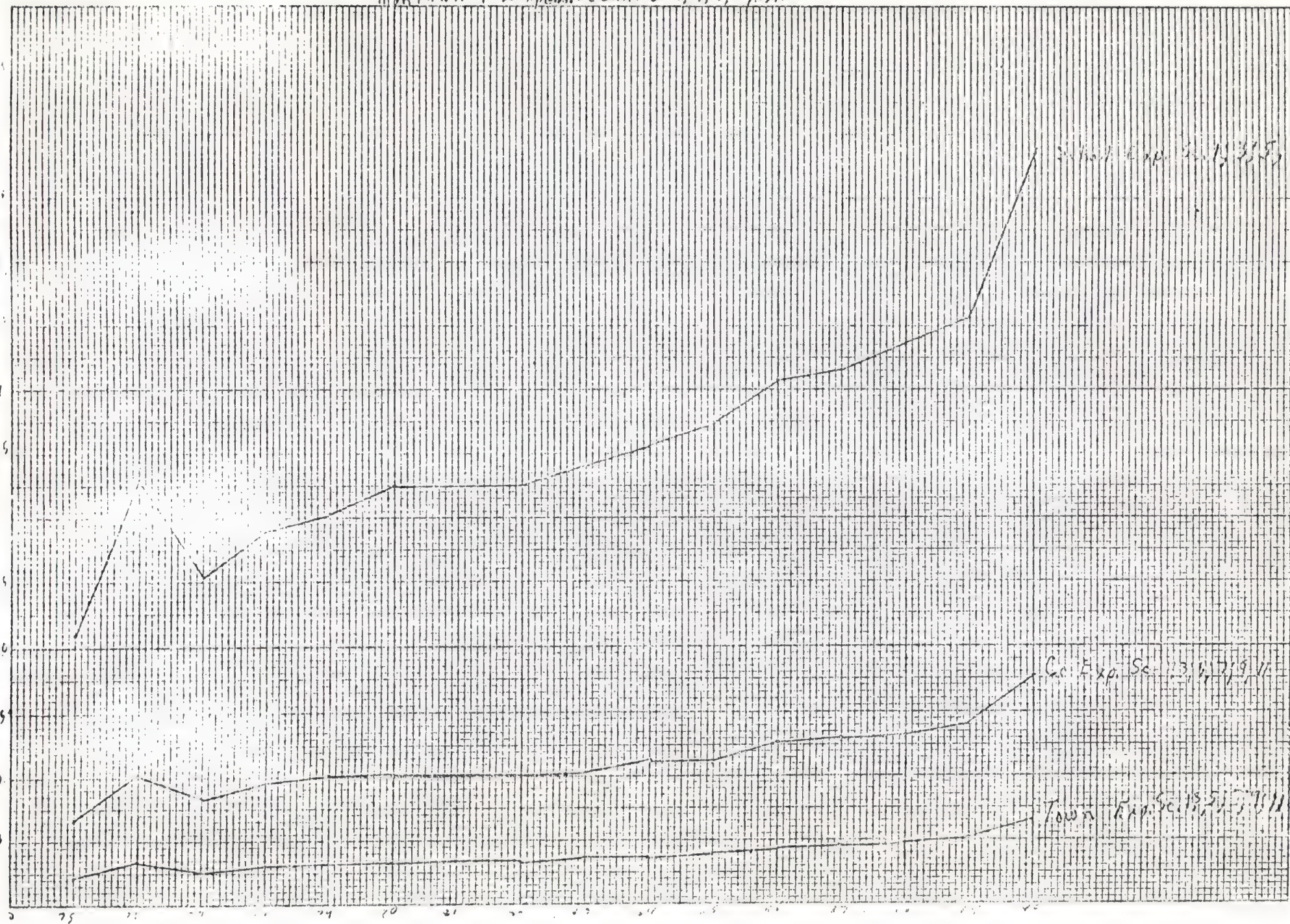
Montana Revenue Scenario 1/01 0% increase w/o level
 Surplus

CITADEL NO. 22 - CROSS SECTION - 20 SQUARES TO INCH



Montana: Expend. Scenario 1, 3, 5, 7, 9, 11

STATION NO. 0001 CROSS SECTION - 20 STATIONS TO INCH



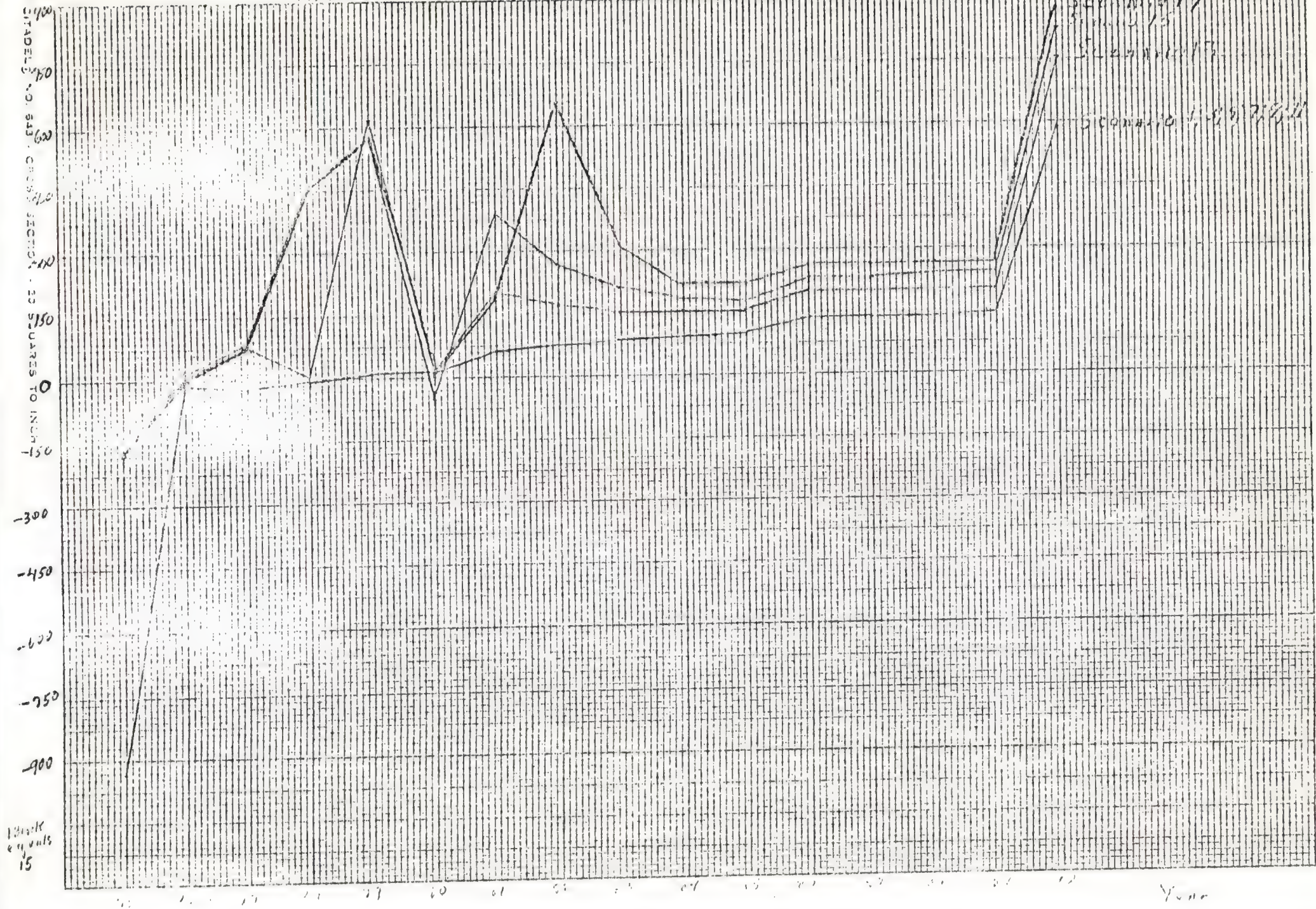
School Exp. Sc. 1, 3, 5, 7, 9, 11

Co. Exp. Sc. 1, 3, 5, 7, 9, 11

Town Exp. Sc. 1, 3, 5, 7, 9, 11

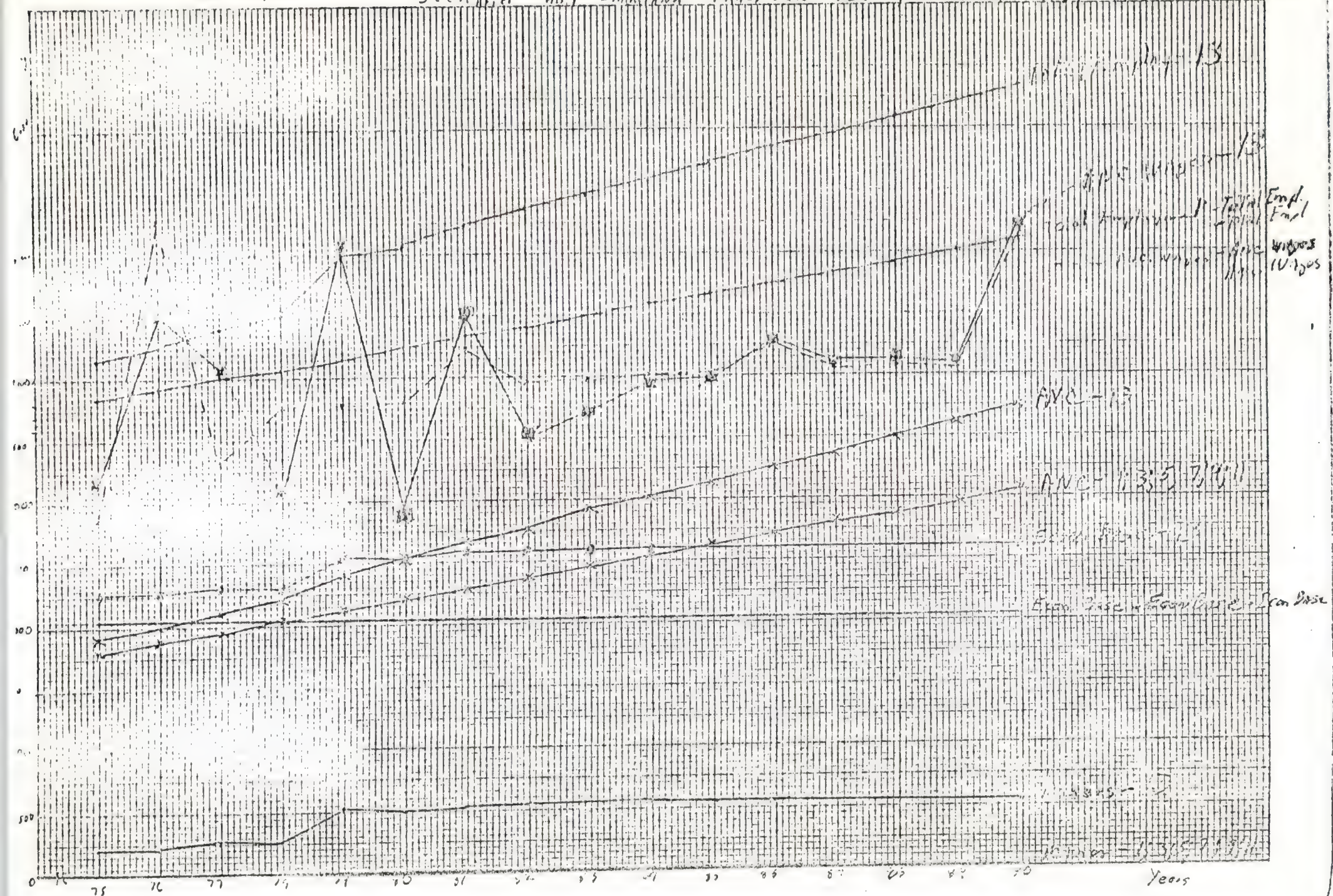
Population

1950-1959 Scenario 1; 3; 5; 7; 9; 11; Scenario 13; Scenario 15; Scenario 17

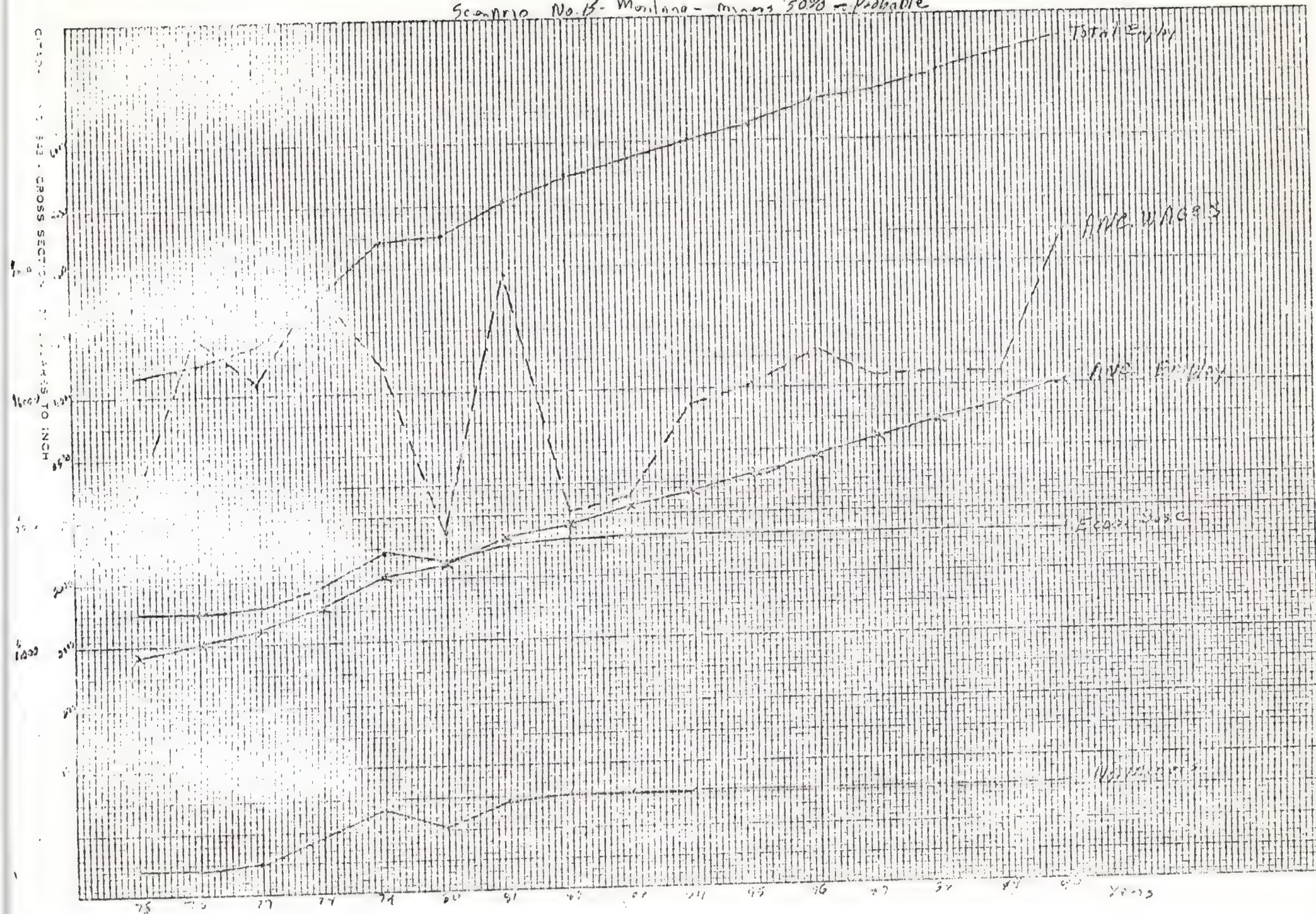


1950-1959
15

Scannio No. 11
Scannio No. 9
Scannio No. 7
Scannio 12 - 50's 11th May



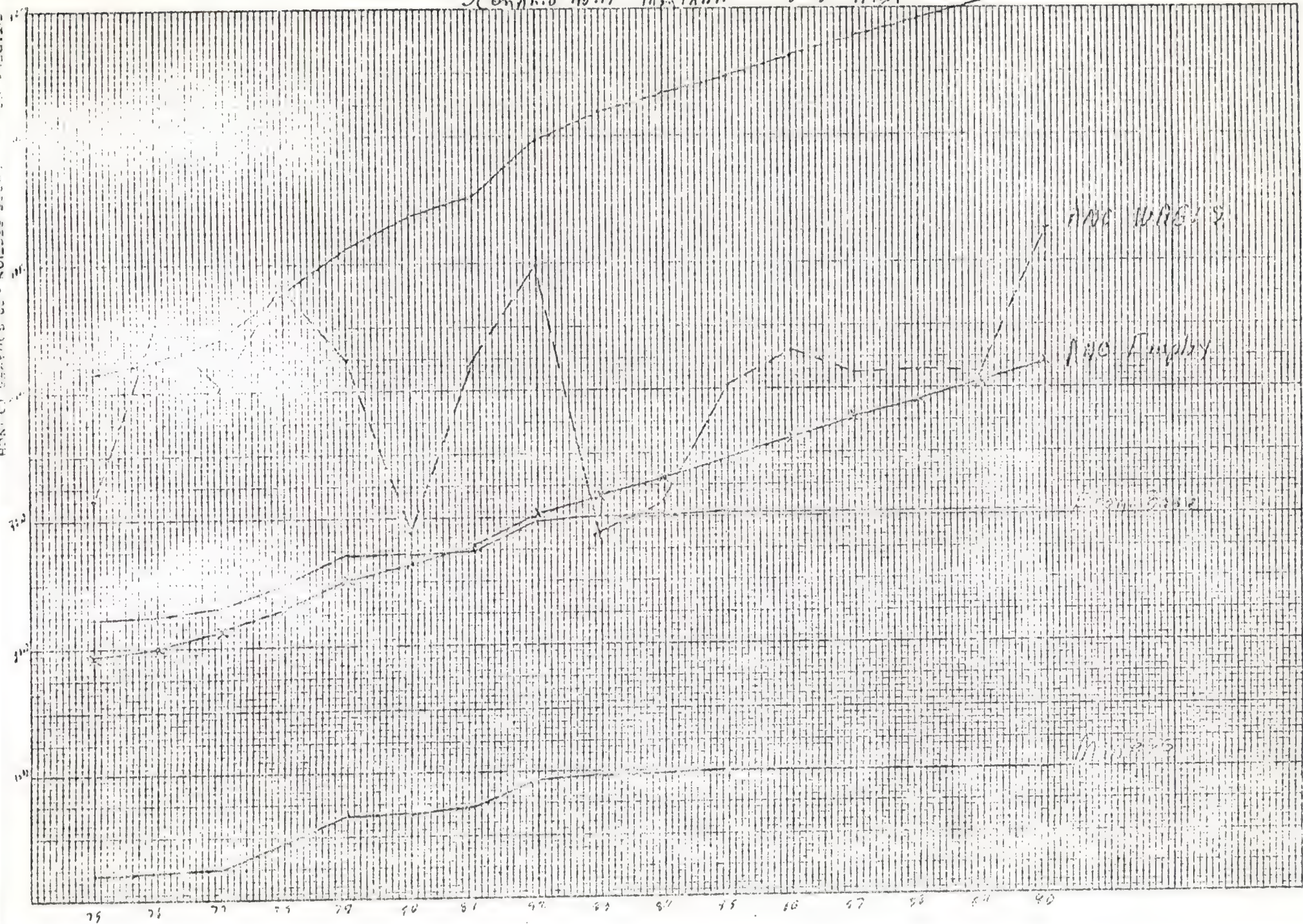
Scenario No. 15 - Montana - means 50% - Probable



Scenario No. 17 - Mountain 50% - High

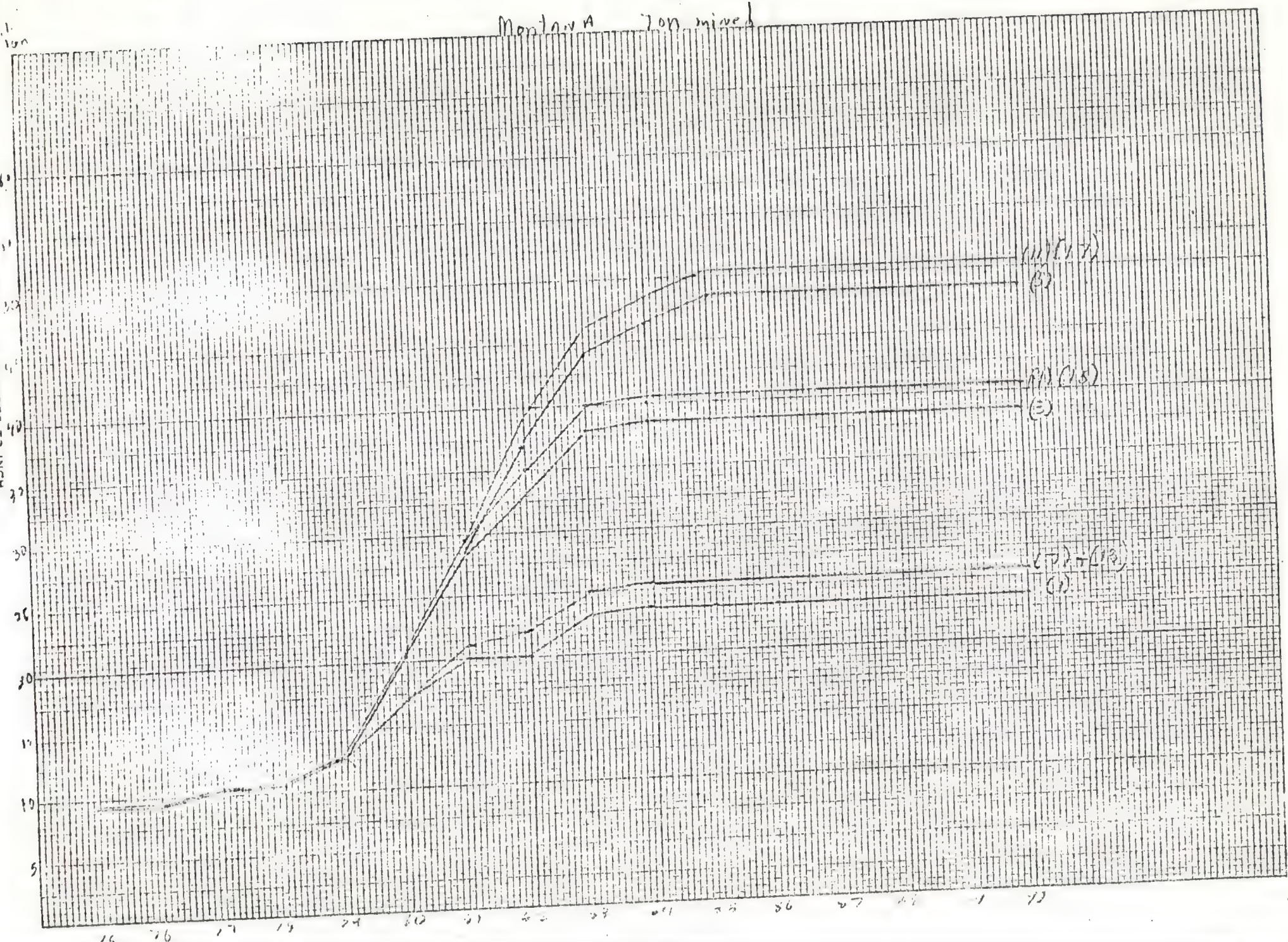
Total Employment

CITADEL 100 CROSS SECTION - 20 SQUARE INCH



Montana 70m mixed

CITATION: NO. 843 - CROSS SECTION - 10 SQUARES TO INCH



Wyoming Graphs

Graph State Heating Scenario

G 15 Wyo. Sch. Rev. 2, 8, 14
Sch. Exp. 2, 8, 14
Sch. Sur. 2, 8, 14

G 16 Wyo. Sch. Rev. 4, 12, 16
Sch. Exp. 4, 12, 16
Sch. Sur. 4, 12, 16

G 17 Wyo. Sch. Rev. 6, 12, 18
Sch. Exp. 6, 12, 18
Sch. Sur. 6, 12, 18

G 18 Wyo. Town Rev. 2, 4, 6
Town Exp. 2, 4, 6

G 19 Wyo. To. Rev. 3, 12, 12
To. Exp. 3, 12, 12

G 20 Wyo. To. Rev. 14, 16, 18
To. Exp. 14, 16, 18

G 21 Wyo. Co. Rev. 2, 4, 6

G 21A Co. Exp. 2, 4, 6

G 22 Wyo. Co. Rev. 8, 10, 12
Co. Exp. 8, 10, 12

G 23 Wyo. Co. Rev. 14, 16, 18
Co. Exp. 14, 16, 18

G 24 Wyo. Co. Def. 2, 4, 6
To. Def. 2, 4, 6

G 25 Wyo. Co. Def. 8, 10, 12
To. Def. 8, 10, 12

G 26 Wyo. Co. Def. 14, 16, 18
To. Def. 14, 16, 18

G 27 Wyo. Ho. Minors 2, 4, 6

G 27A Ec. Base 2, 4, 6

ANC. Exp. 2, 4, 6

ANC. Wyo. 2, 4, 6

Tot. Exp. 2, 4, 6

G 28 Wyo. Ho. Minors 8, 10

Ec. Base 8, 10

ANC. Exp. 8, 10

ANC. Wyo. 8, 10

Tot. Exp. 8, 10

Trans. Min. 2, 4, 3, 10, 14, 16

G 30 Wyo. Ho. Minors 12, 18

30A Ec. Base 12, 18

ANC. Exp. 12, 18

ANC. Wyo. 12, 18

Tot. Exp. 12, 18

Trans. Min. 6, 12, 18

G 31 Wyo. Ho. Minors 14, 16

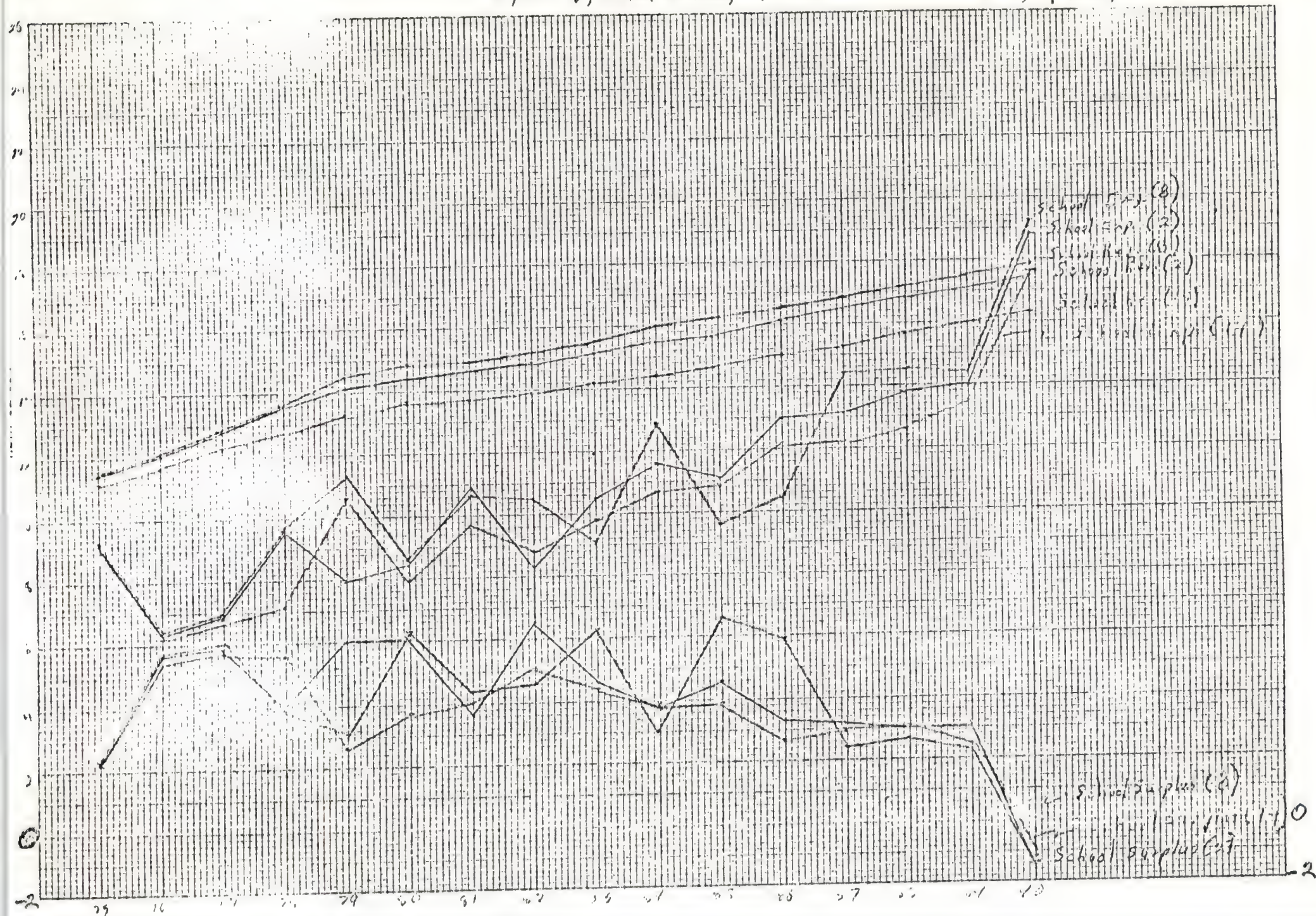
Ec. Base 14, 16

ANC. Exp. 14, 16

ANC. Wyo. 14, 16

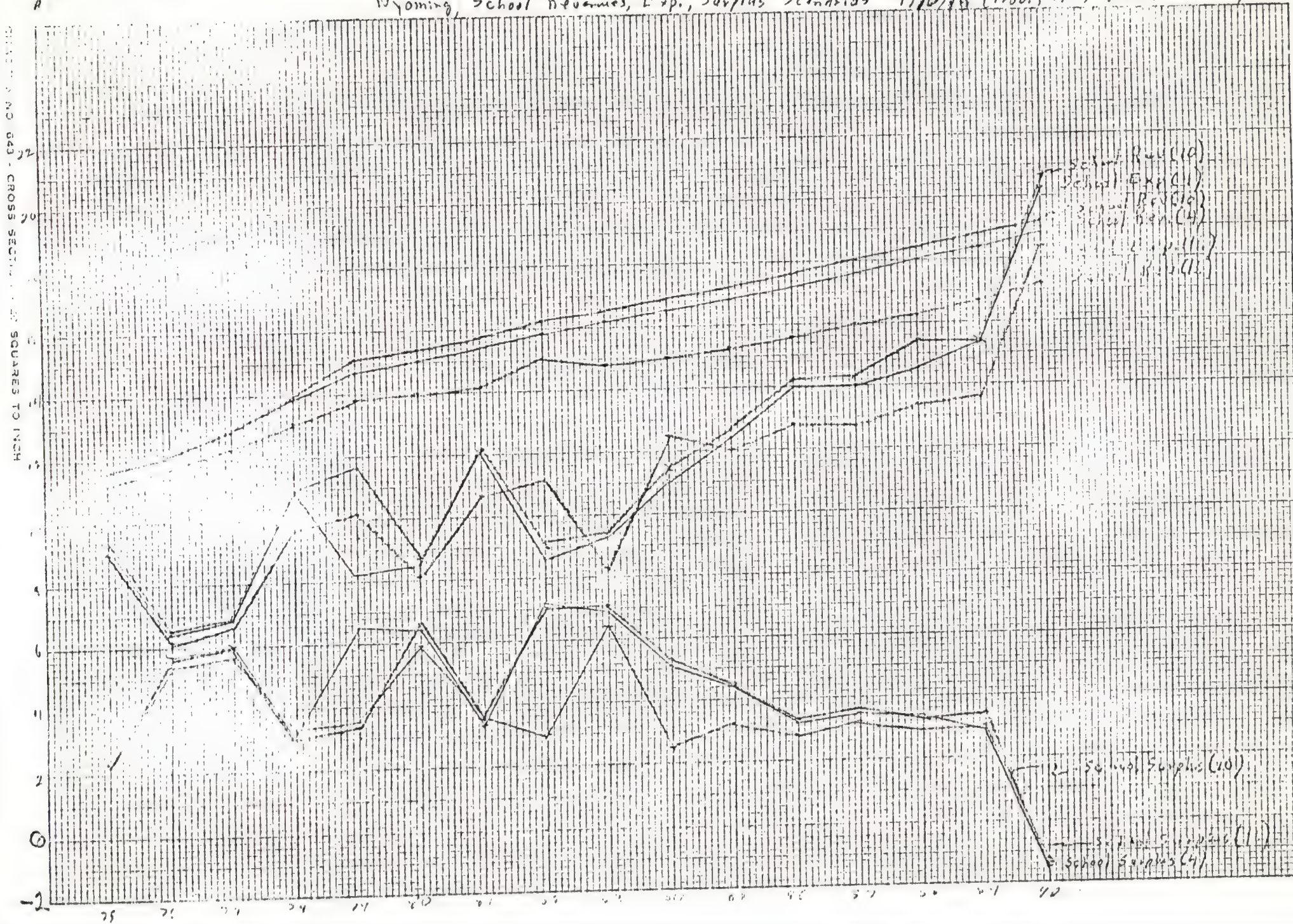
Tot. Exp. 14, 16

Wyoming, School Revenue, Expenditures & Surplus Scenarios 2; 8; 14 (Low; w/o; w/Perf; 50% B.T.)

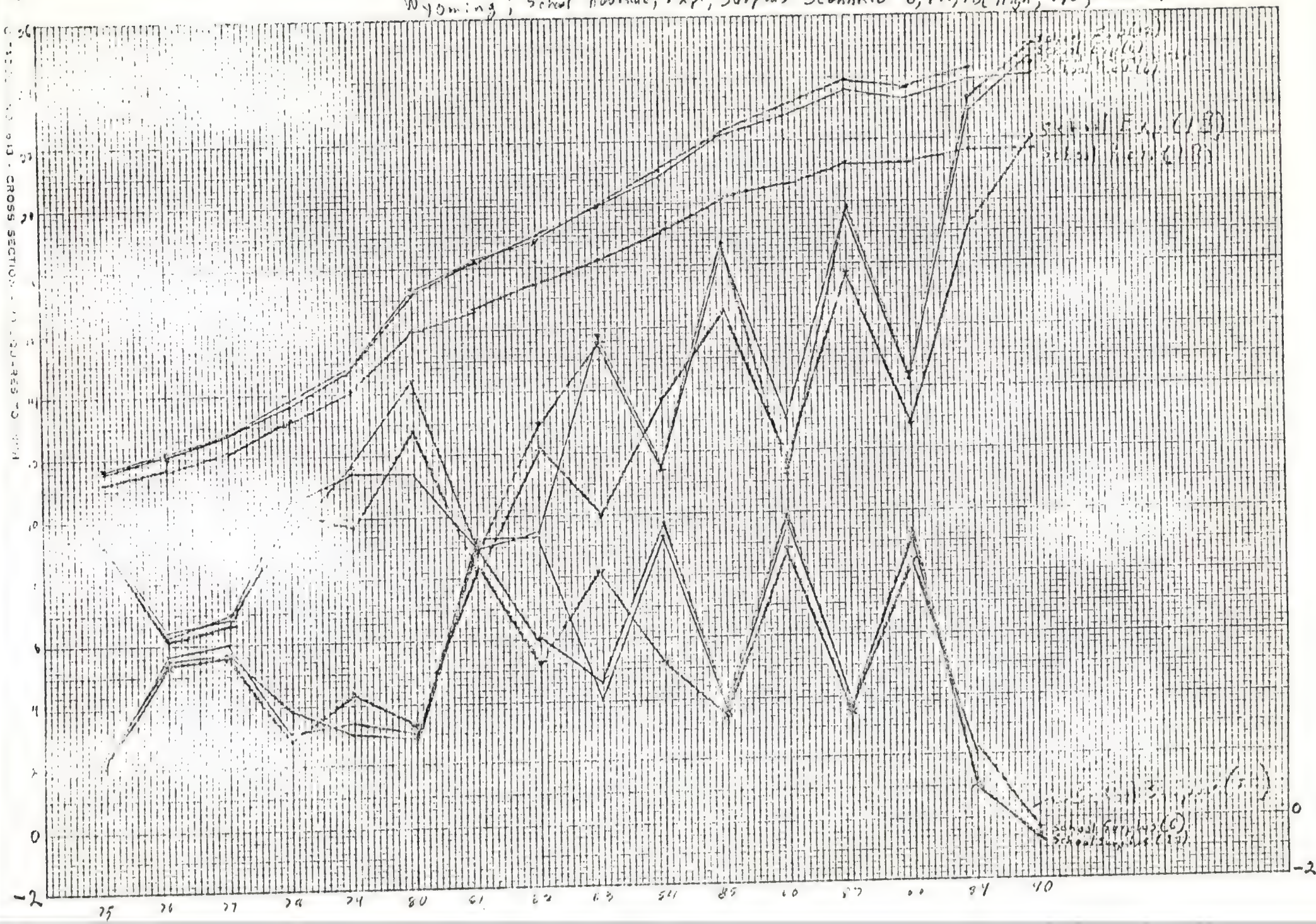


Wyoming, School Revenues, Exp., Surplus Scenarios 4/10/16 (Prob., w/p; w/Leak; 50% mont.)

CHART NO. 664 - CROSS SECTION IN SQUARES TO INCH



Wyoming; School Revenue, Exp, Surplus Scenario 6;12;18 (High; w/o; w/pead; 30% mnt.)



Town Revenue & Expend.

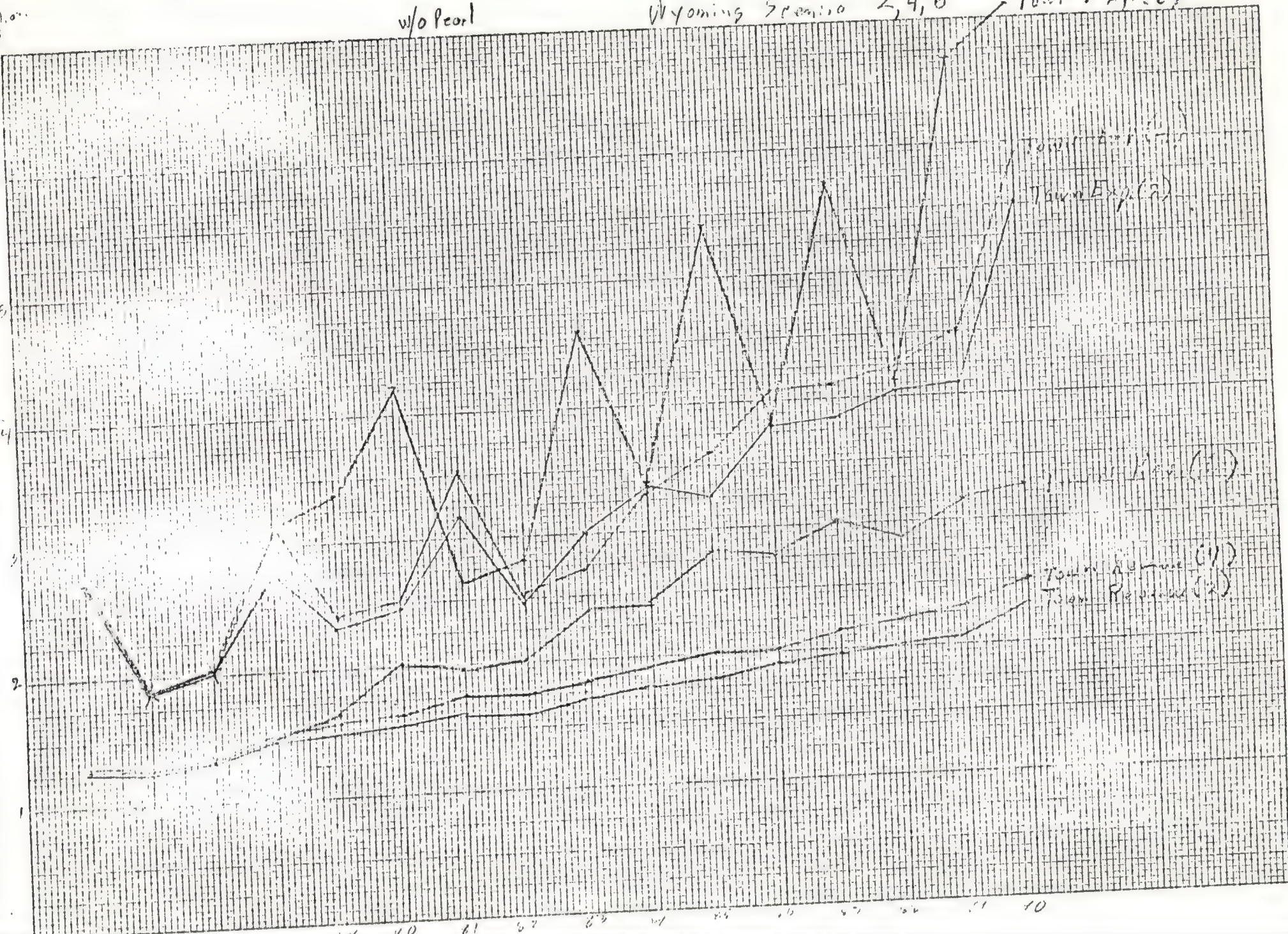
G 18

w/o Pearl

Wyoming Scenario 2, 4, 6

Town Exp. (1)

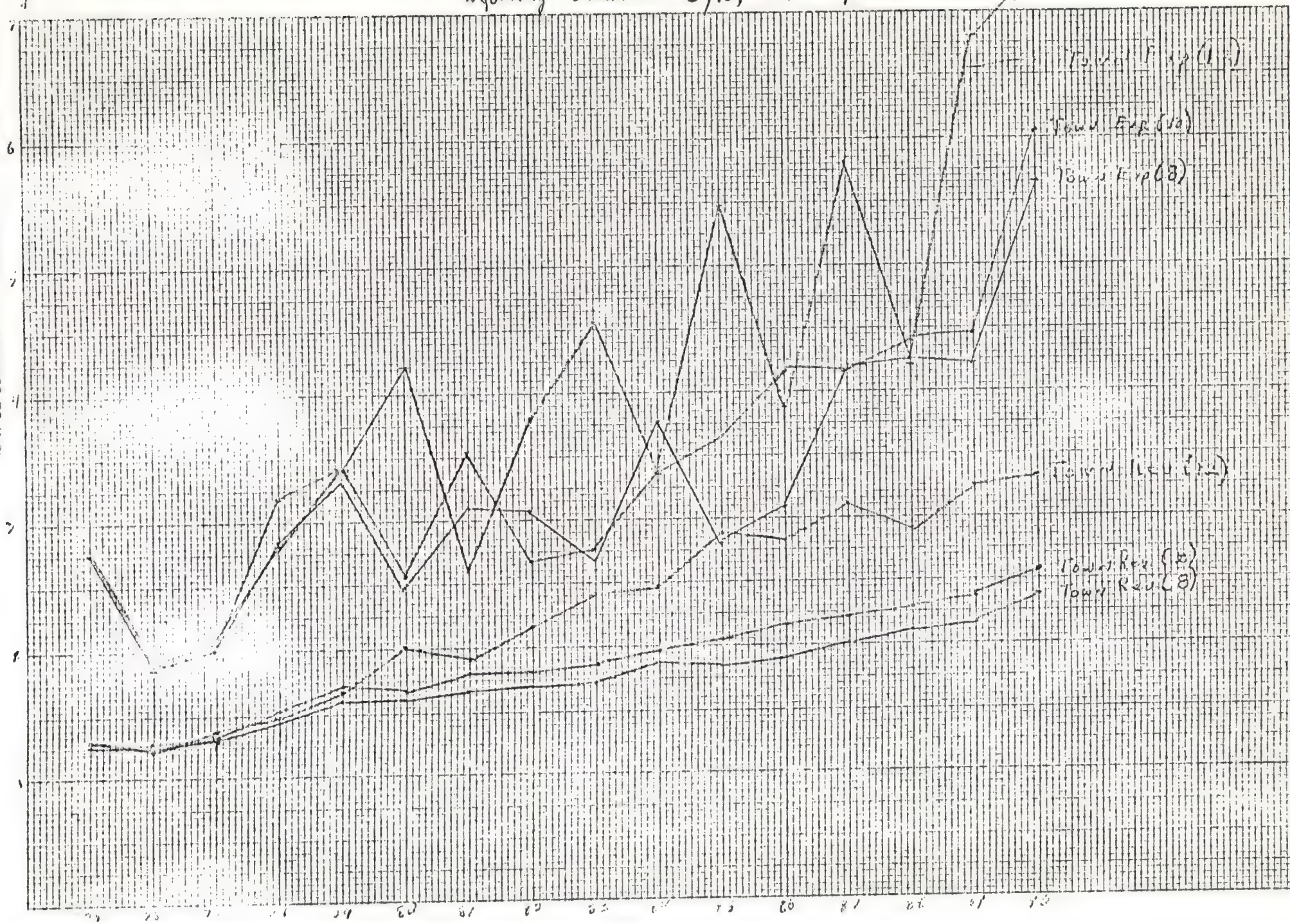
CITADEL NO. 643 - CROSS SECTION IN FEET TO INCH



Wyoming scenario 8, 10, 12 low peak high Town Rev. + Exp. W/Pool - All W/Pool

G19

CITADEL NO. 643 - CROSS SECTION - 20 SQUARES TO INCH



Town + Rev + Exp

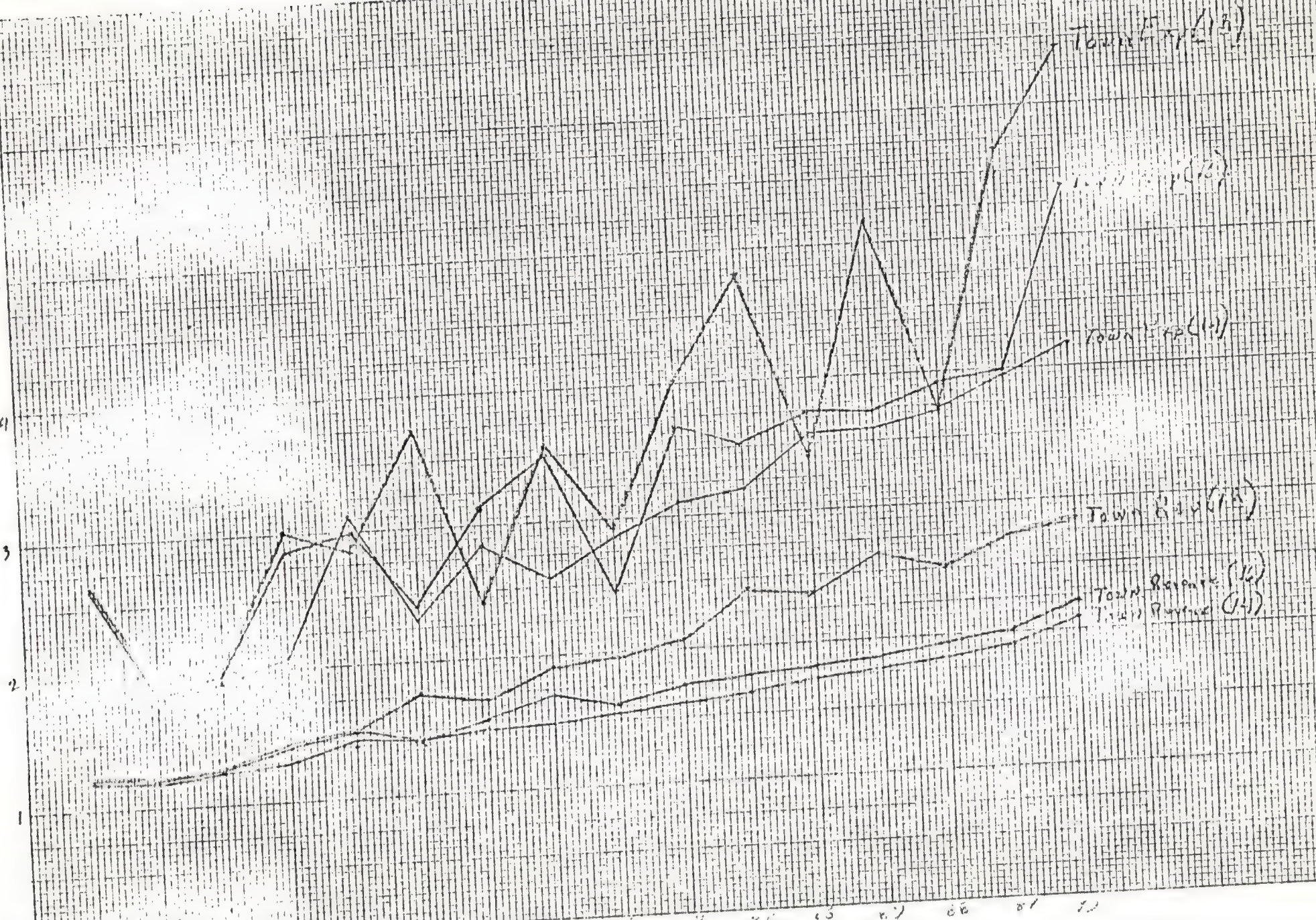
620

Wyoming

low peak
14; 16; 18 High

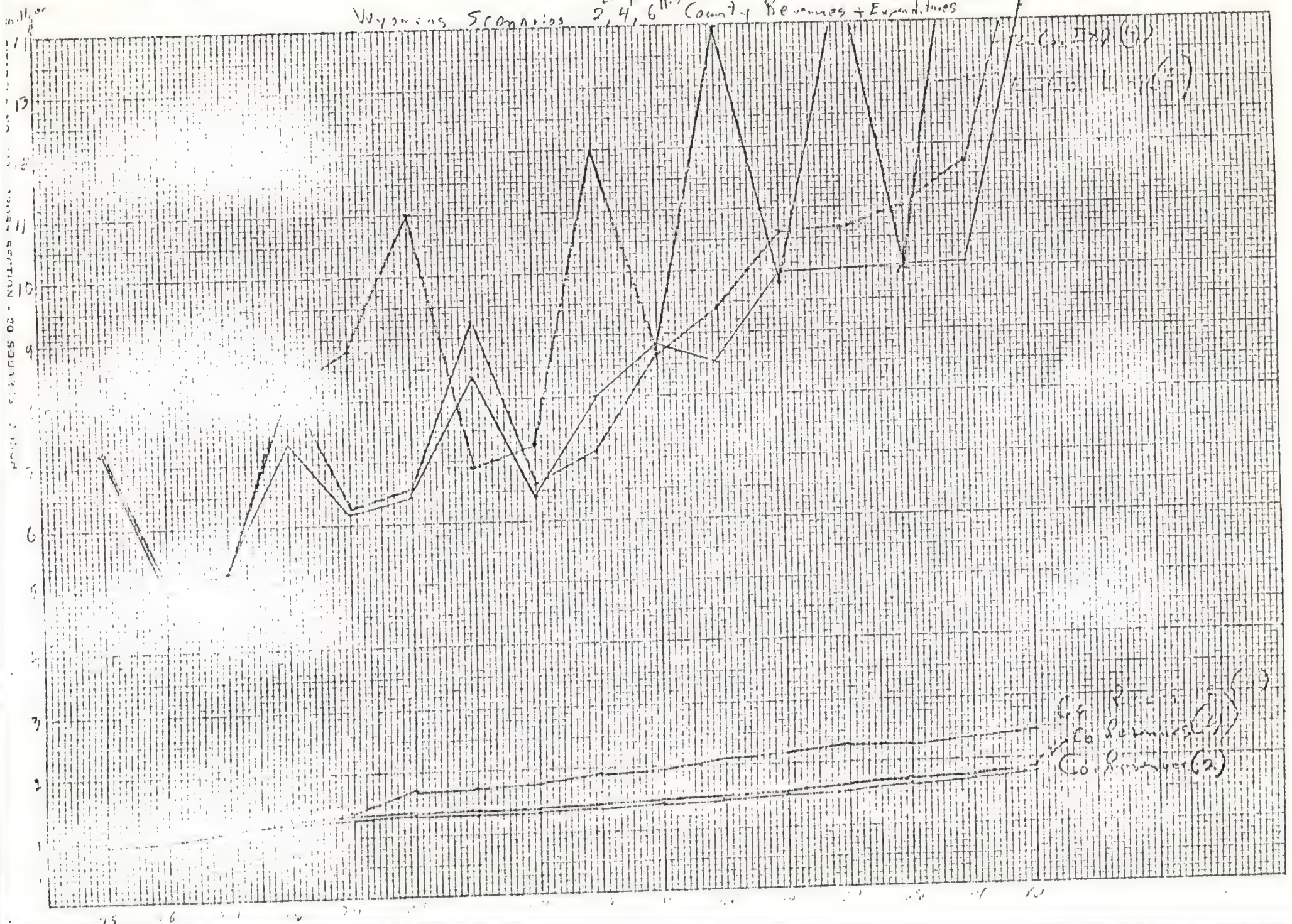
W/Pool - 5000MT.

GRAPHIC NO. 643 - 620 - SECTION - 20 SQUARES IN



Wyoming Scannings 2, 4, 6 11:5h County Revenues + Expenditures

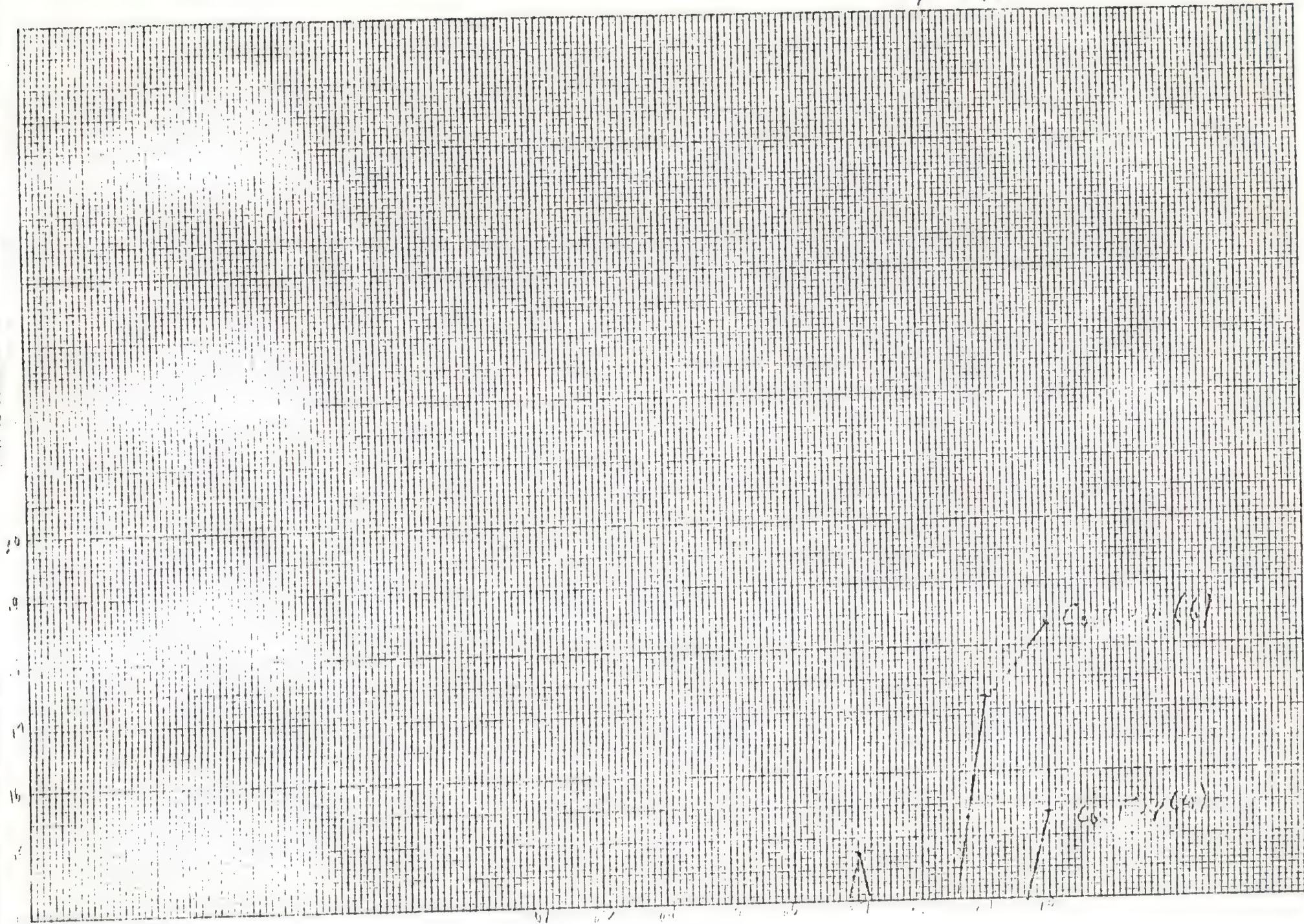
Co. Exp. (2)



Co. Records at Fort
Wy. 2, 4, 6.

G 21A

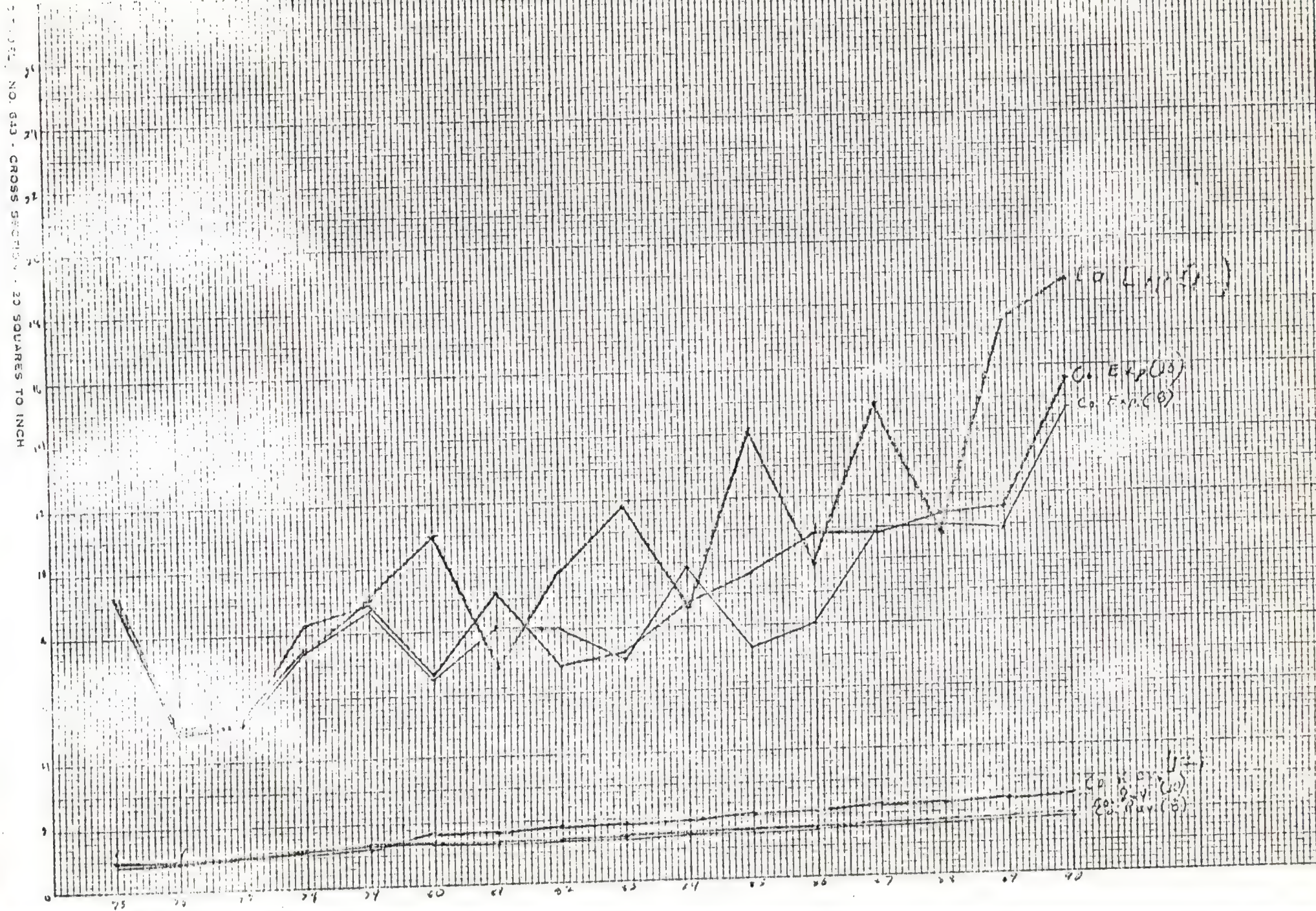
UNITED STATES GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
WASHINGTON, D. C. 20006
STANDARD CROSS SECTION - 20 SQUARES TO INCH



County Revenue & Exp.; with Prod. All Wyoming

G 22

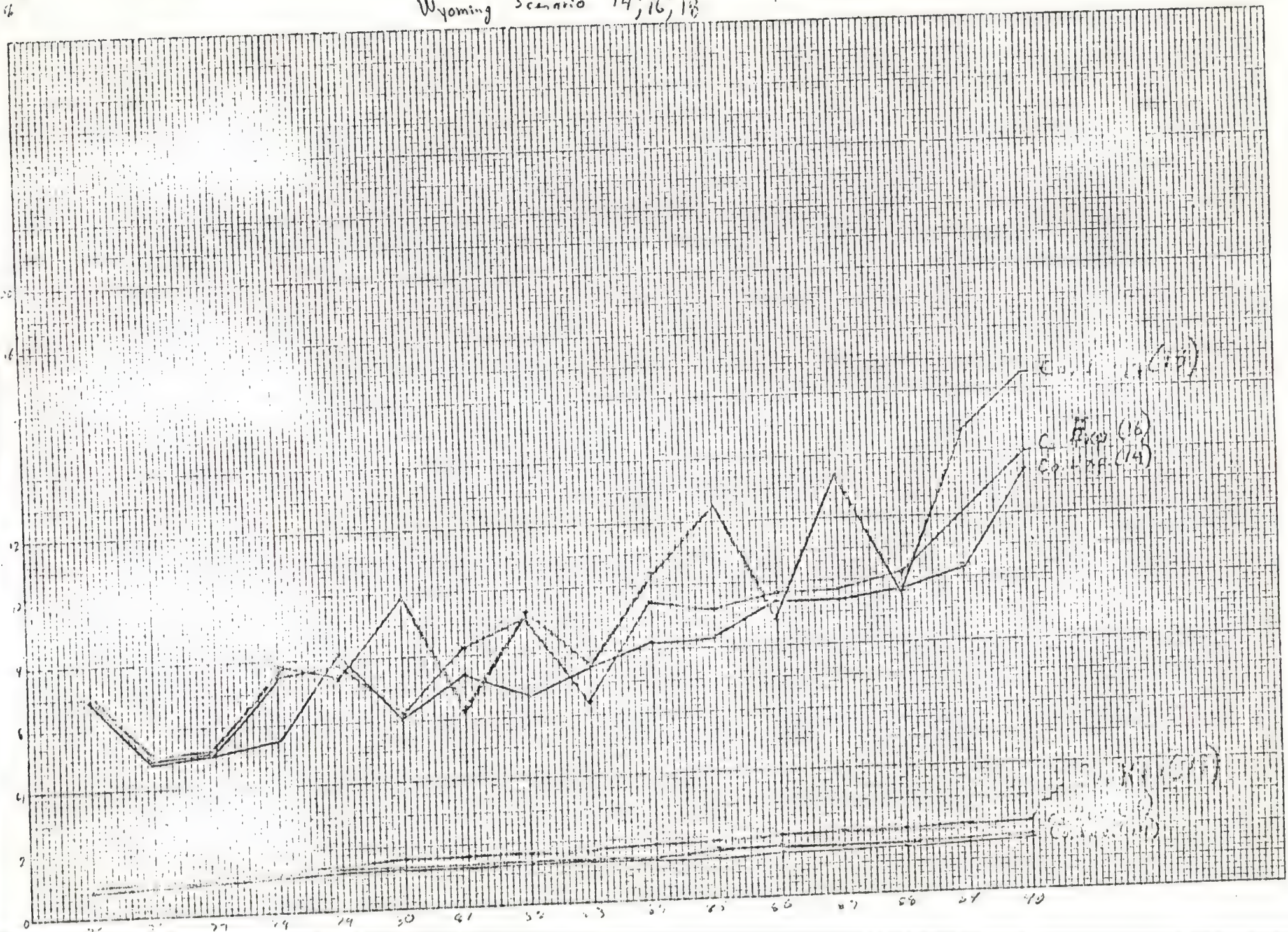
Wyoming Scenario 8; 10; 12. 8th Prob. 10th 12th



Wyoming Scenario ^{low} 14; ^{9.6} 16; ¹¹ 18 County Rev. & Exp. with partial 50% mont.

G 23

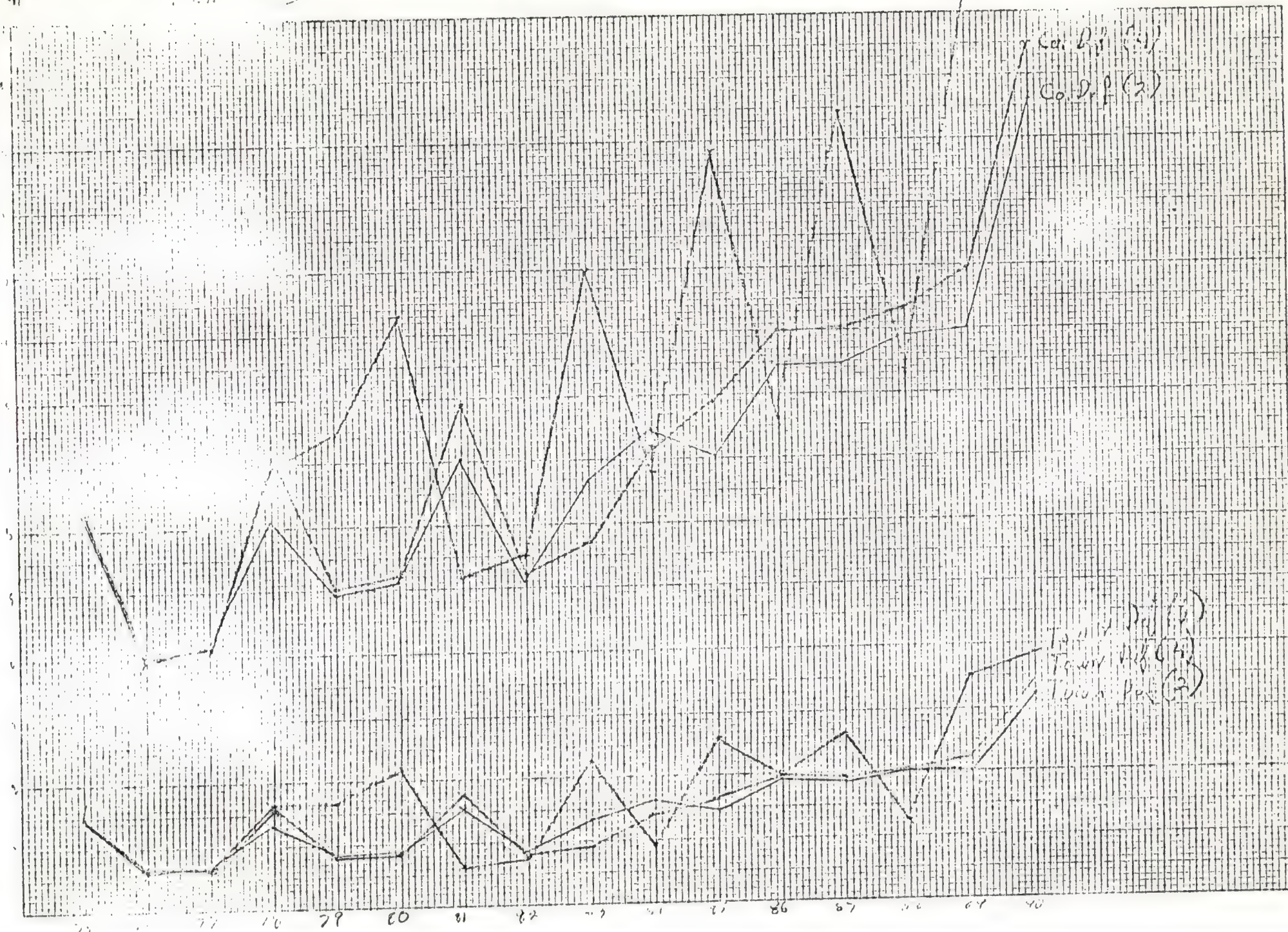
CREATED NO. 01 CROSS SECTION 20 SQUARES PER INCH



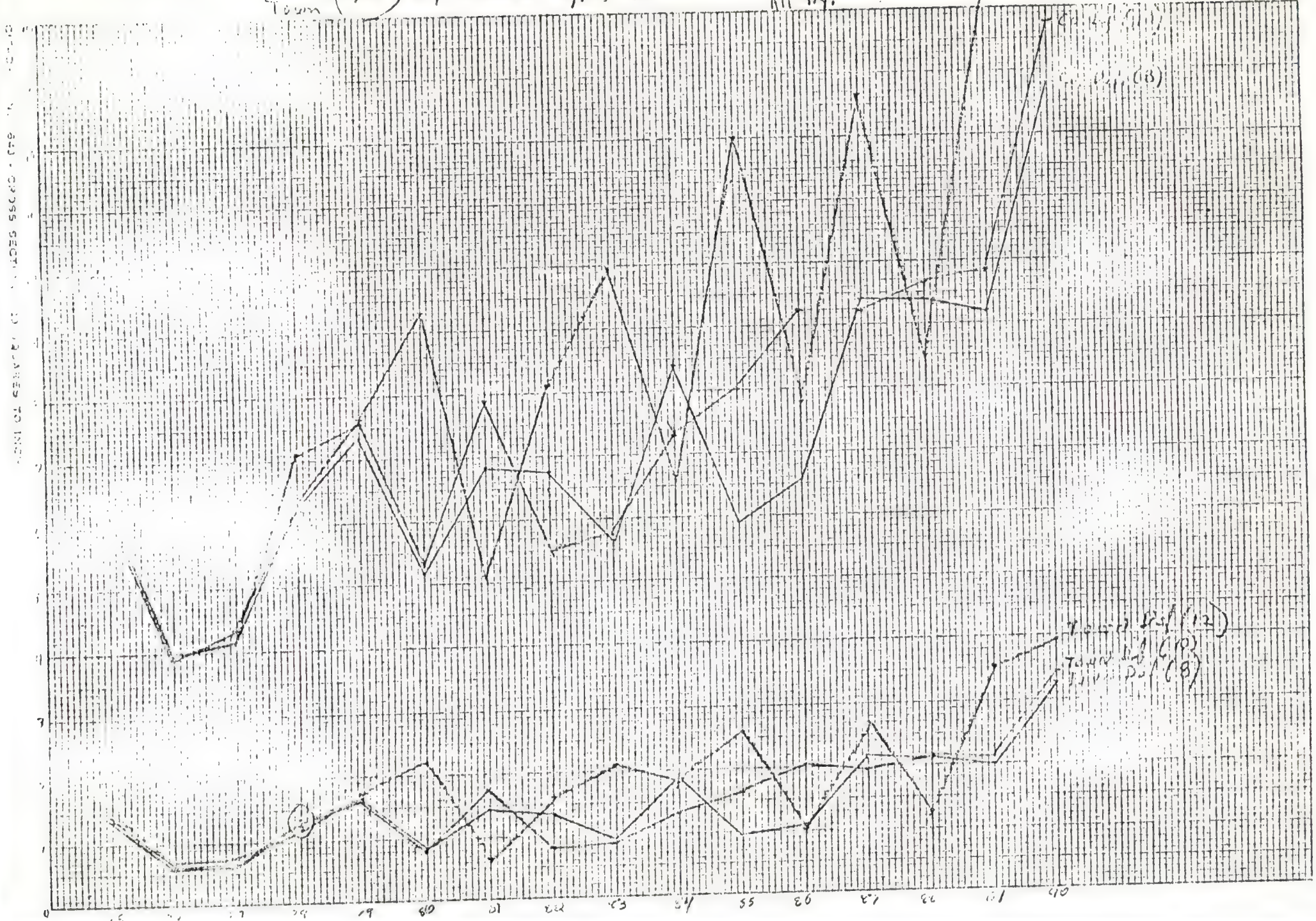
Cont. (1) Vly. Scenario 2, 4, 6

C. A. I (6) G 2

NO. 543 - CROSS SECTION - 20 SQUARES TO INCH

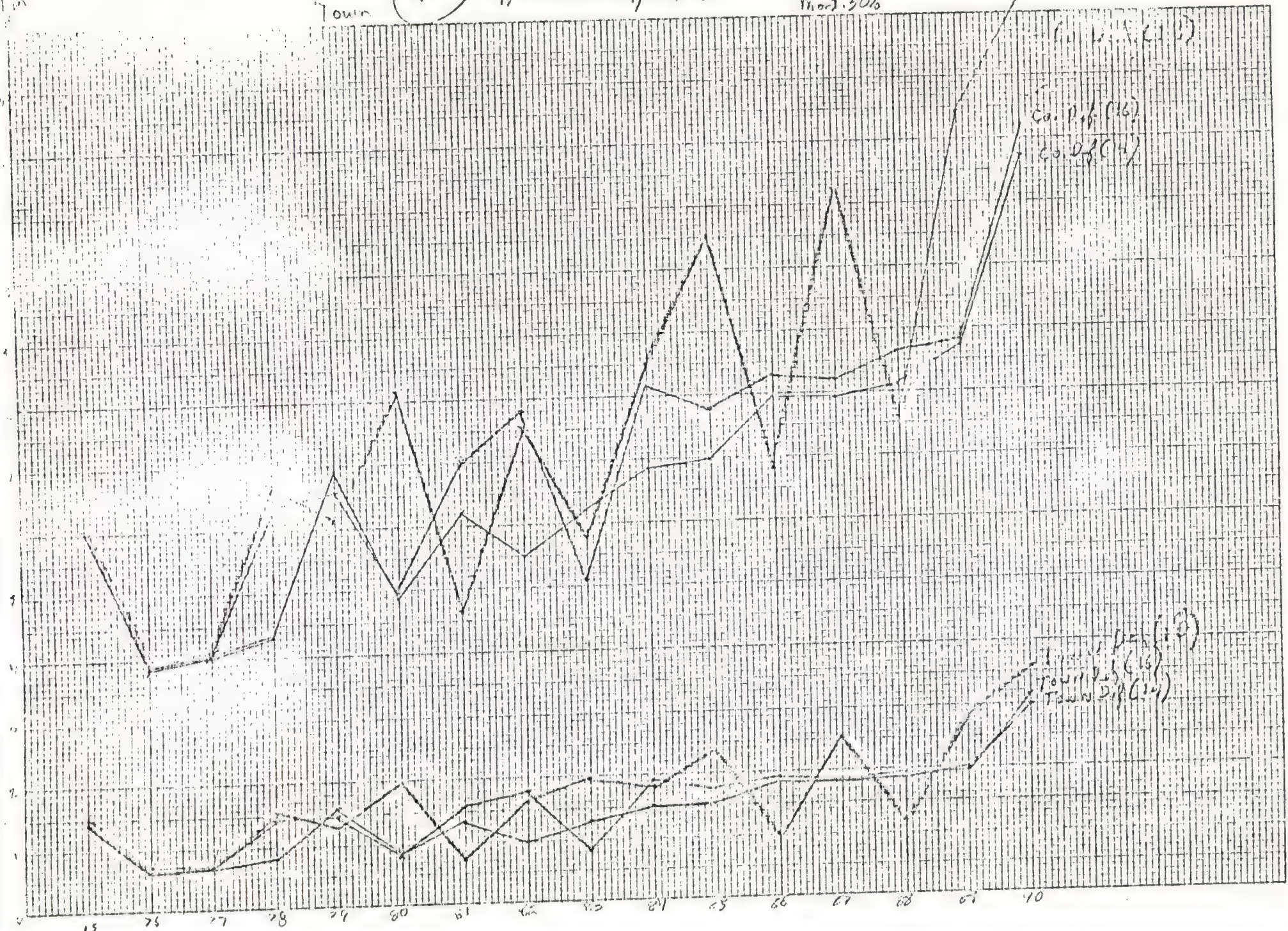


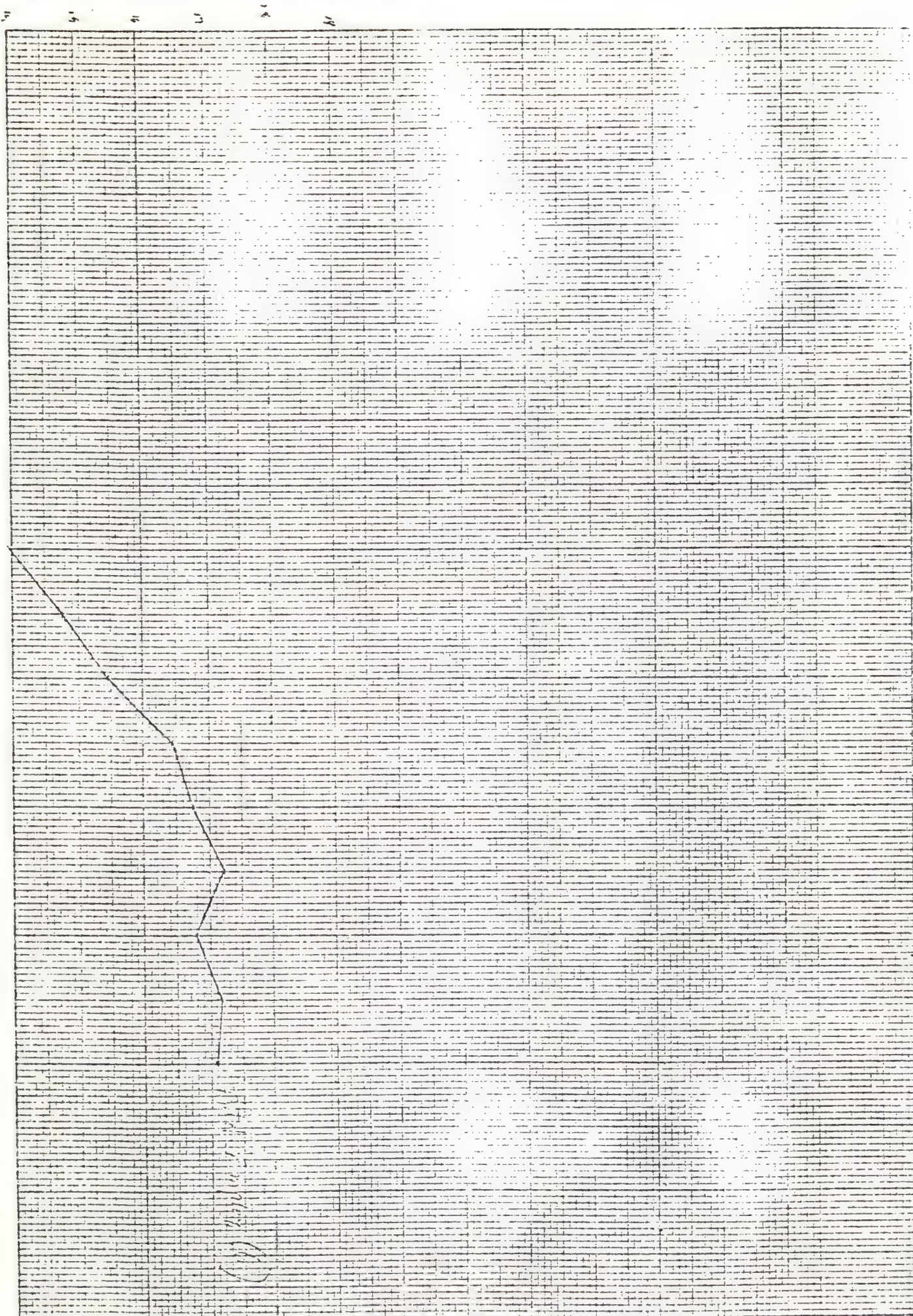
G 25



County (Deficit) W-1, Scenario Low Ppt High
 Town 14; 16; 18

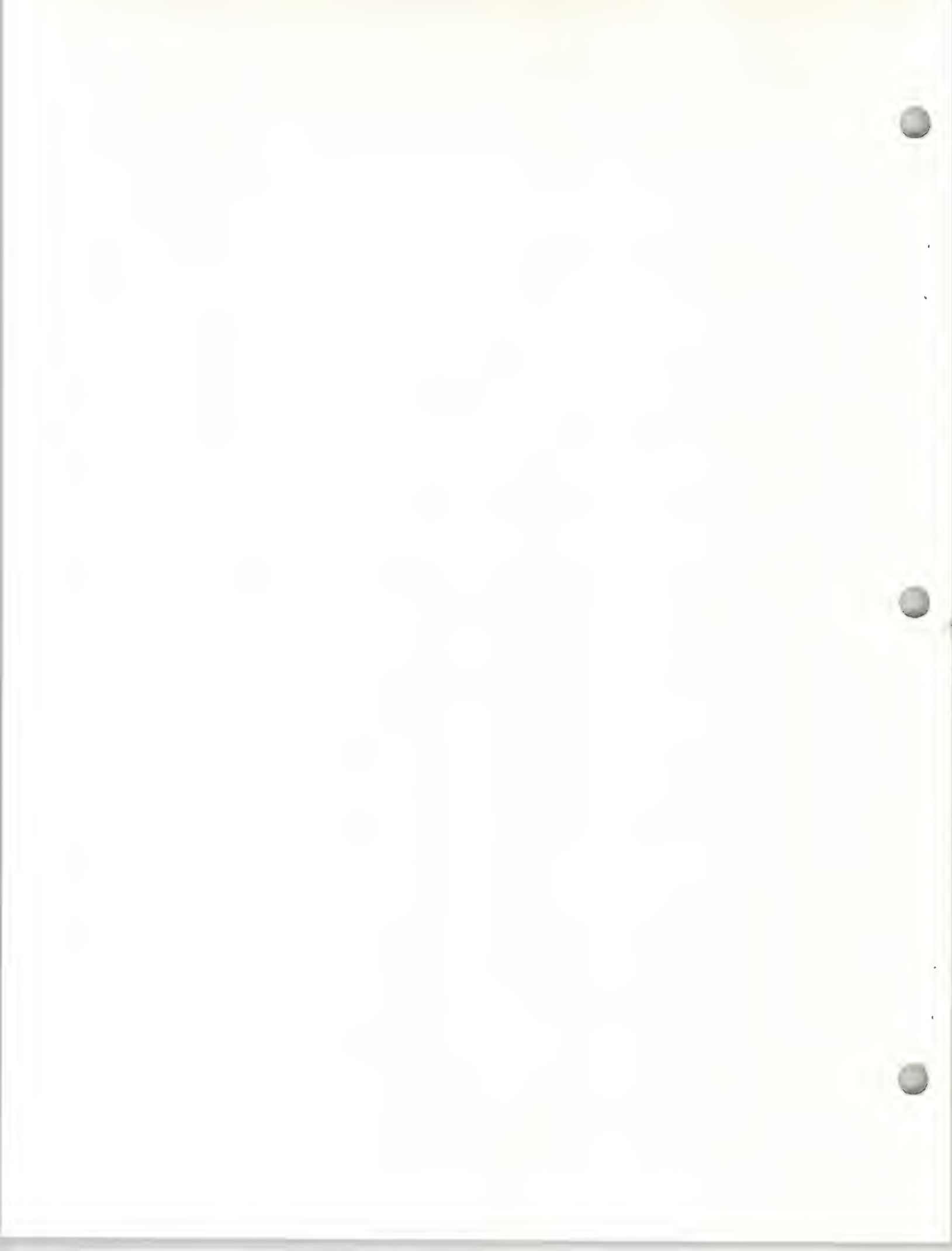
With Pearl
 Short .50%





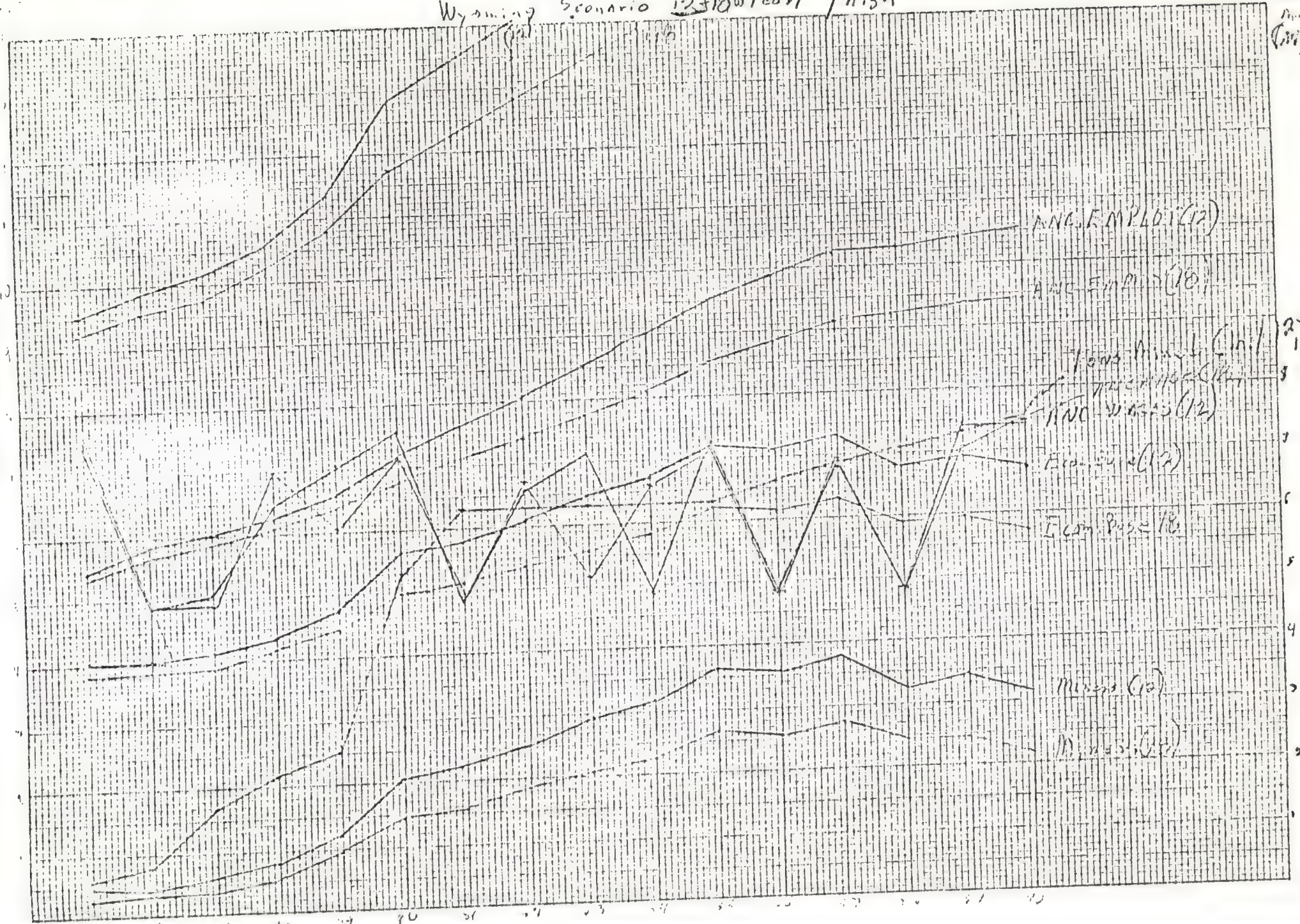
W/O Res-1

W/ 2' 4" 6"
6' 1" 6' 1" 6' 1"
G276

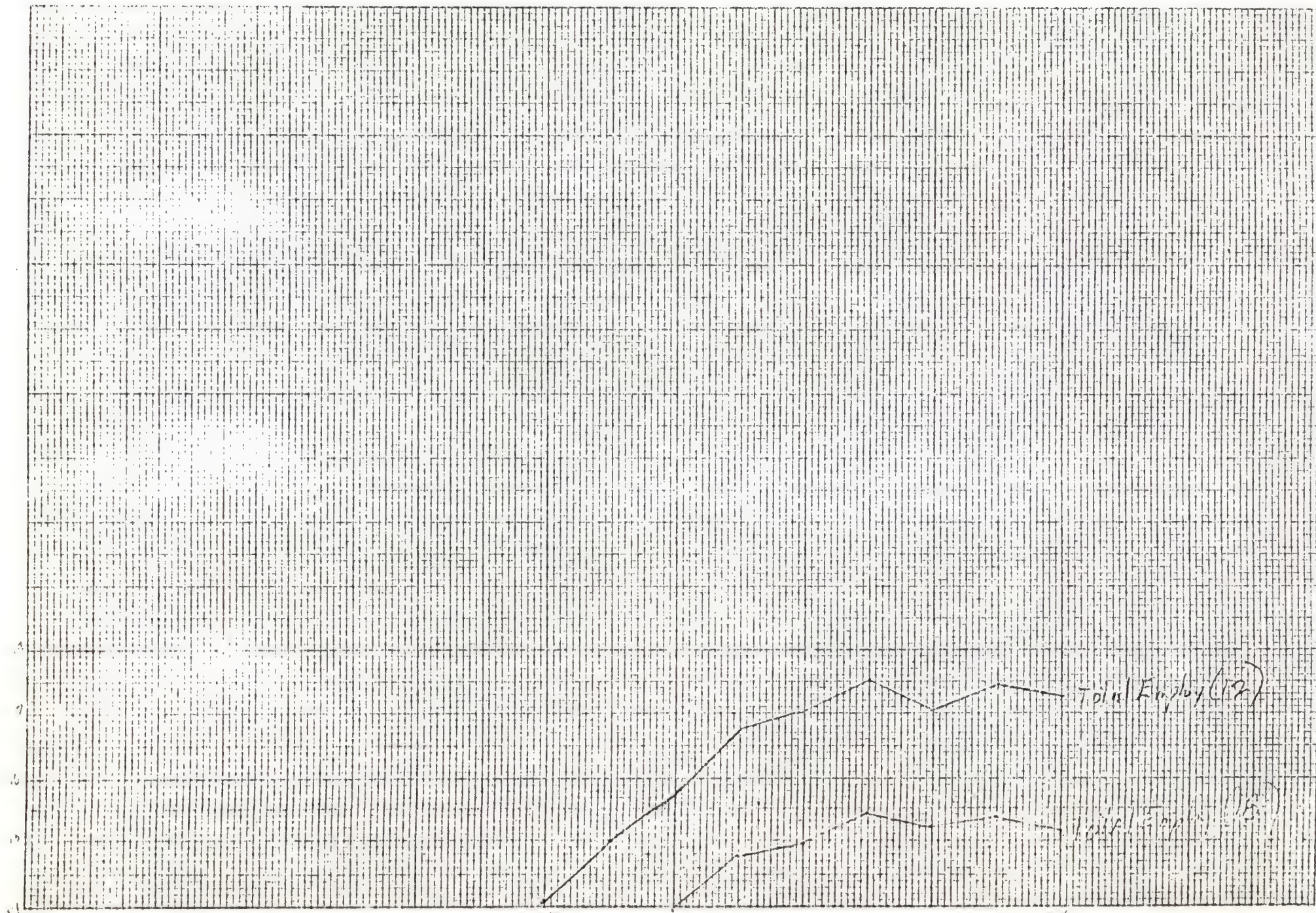


Wyoming Scenario 12+18w Pearl / High

STAGE 1 NO 543 - CROSS SECTION - 20 SQUARES TO INCH



WY. 12418
G30A



Scenario 141416 Wyoming

CITADEL NO. 612 - CROSS SECTION - 20 SQUARES TO INCH

